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GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 1406
Activity No.: PER20090010

Ms. Anne-Marie Ainsworth
General Manager
Norco Refinery, Motiva Enterprises LLC
P. O. Box 10
Norco, Louisiana 70079

RE: Part 70 Operating Permit Modification, Logistics II, Norco Refinery, Motiva Enterprises LLC, Norco, St. Charles Parish, Louisiana

Dear Ms. Anne Marie Ainsworth

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 26th of November, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2009.

Permit No.: 2912-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
SGQ
c: EPA Region VI

Post Office Box 4313 • Baton Rouge, Louisiana 70821-4313 • Phone 225-219-3181 • Fax 225-219-3309

www.deq.louisiana.gov

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
MOTIVA ENTERPRISES / NORCO REFINERY
LOGISTICS II UNIT

PROPOSED PART 70 AIR OPERATING PERMIT MINOR MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on a Part 70 air operating permit minor modification for Motiva Enterprises LLC, P. O. Box 10, Norco, LA 70079 for the Logistic II Unit. **The facility is located at 15536 River Road, Norco, St. Charles Parish.**

Motiva Enterprises LLC requested a permit modification to the Logistics II Permit No. 2912-V1. The Logistics permit comprises the storage tanks, distribution piping system, marine vapor recovery, wastewater treatment, oil water separation, flares, and equipment fugitives (fugitives are included in Logistics I Permit No. 2913-V0 or current permit).

Motiva Enterprises, LLC proposes to modify the Logistics II Unit permit as follows:

1. Incorporate the emissions changes due to the inclusion of Gasoline Hydrotreater (GHT) Project under taken by Shell Norco Chemical Plant-East Site;
2. Incorporate the Marine Vapor Recovery metallurgy project for the electric driven compressors in the system;
3. Update the emissions and storage flexibility for the tanks affected by the GHT Project (See TABLE A); and
4. Include two storage tanks (F-513 and F-514) permitted in Permit No. 2601-V1 and 3075-V0 both dated April 28, 2009;
5. Update tanks (F-513, F-514, F-462, F-476, D-413, D-422, W437, and W-438) emissions based on the material stored, temperature of the material stored and the construction of the tank (deck fittings, rim seals, etc.);
6. Incorporate an existing activity for RON/MON octane testing engines, Emission Point 5061-09 which were inadvertently not permitted earlier;
7. Update Insignificant Activity List based on current information and operation changes;
8. Update General Condition XVII List based on current information and operation changes;
9. Remove from the inventory a Tank XC-518, Emission Point 5047-06, which was permitted for construction under Part 70 Permit No. 3054-V0 dated March 13, 2007. This tank was never built;
10. Update the specific requirements based on new regulations promulgated or determinations made since the issuance of the current permit; and
11. Updated the storage tank cleaning, Emission Point 5050-06 for the next five years.

The facility is incorporating changes due to the GHT Project in order to meet the Environmental Protection Agency (EPA) Mobile Source Air Toxics (MSAT) Phase 2 final rule requirements dated February 9, 2007. This rule will limit the benzene content of the gasoline produced at the facility to an annual average of 0.62 percent by volume.

Estimated emissions increases from the GHT Project including the startup/shutdown operation based on actual to potential for the four tanks and the MVR due to service and throughput change in tons per year is as follows:

<u>Pollutant</u>	<u>2006/2007 Average Emissions</u>	<u>Post GHT Project Emissions</u>	<u>Total Emissions Increase*</u>
VOC	9.24	47.63	38.39

* No credit is being taken for any reductions

The MVR system at the refinery includes four liquid ring electric driven compressors that transport the vapors collected from the loading of barges and ships at the wharf to the flare (Emission Point 5-89 A&B). The facility will upgrade (metallurgy) three compressors and the fourth will be reconstructed with new and existing parts. This change in method of operation and reconstruction has been determined to be Title I modification and considered a separate project from the GHT Project. The compressors will now be regulated under NSPS, 40 CFR 60, Subpart GGa – standards of Performance for Equipment Leaks of VOC in Petroleum refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006. MVR system upgrade is a stand alone project and is not dependant on the GHT Project.

Estimated emissions increases from the MVR system compressors upgrade including the startup/shutdown operation based on actual to potential in tons per year is as follows:

<u>Pollutant</u>	<u>2006/2007 Average Emissions (a)</u>	<u>Post MVR Upgrade Emissions (b)</u>	<u>Change</u>
PM ₁₀	0.18	2.06	+ 1.88
SO ₂	0.01	0.11	+ 0.10
NO _x	1.64	18.81	+ 17.17
CO	8.95	102.33	+ 93.38

Prevention of Significant Deterioration review is not required as the net emissions increase due to the GHT Project and the MVR system upgrade are less than the PSD significance level for the criteria pollutants as shown in the tables above. The change in VOC emissions is negligible.

The MVR system at the refinery includes four liquid ring electric driven compressors that transport the vapors collected from the loading of barges and ships at the wharf to the flare (Emission Point 5-89 A&B). The facility will upgrade (metallurgy) three compressors and the fourth will be reconstructed with new and existing parts. This change in method of operation and reconstruction has been determined to be Title I modification and considered a separate project from the GHT Project. The compressors will now be regulated under NSPS, 40 CFR 60, subpart GGa – Standards of Performance for Equipment Leaks of VOC in Petroleum refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006. MVR system upgrade is a stand alone project and is not dependant on the GHT Project.

This permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.

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A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, September 28, 2009.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit modification application, proposed permit minor modification and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at St. Charles Parish Library, East Regional Branch, 100 River Oaks Drive, Destrehan, LA 70047.

Inquiries or requests for additional information regarding this permit action should be directed to Syed Quadri, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3123.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmailistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1406, Permit Number 2912-V2, and Activity Number PER20090010.

Scheduled publication date: Thursday, August 27, 2009

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

I. BACKGROUND

Motiva Enterprises, LLC (Motiva) owns and operates the Norco Refinery. The Logistics II Unit is currently operating under Permit No. 2912-V1 dated September 4, 2008.

II. ORIGIN

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) dated May 13, 2009 for the Logistic II Unit equipment only. Additional information as of July 30, 2009 was also received.

III. DESCRIPTION

Motiva operates a petroleum refinery and manufactures petroleum products from crude oil, condensate, natural gas condensate, and partially refined products such as gas oil. Products include LPG, ethylene, propylene, chemical products, finished gasoline, diesel, aviation turbine fuel, heating oils, residuals, petroleum coke, and sulfur.

This permit comprise of the storage tanks, distribution piping system, marine vapor recovery, wastewater treatment, oil water separation, flares, and equipment fugitives (fugitives are included in Logistics I Permit No. 2913-V0 or current permit).

Motiva Enterprises, LLC proposes to modify the Logistics II Unit permit as follows:

1. Incorporate the emissions changes due to the inclusion of Gasoline Hydrotreater (GHT) Project under taken by Shell Norco Chemical Plant-East Site;
2. Incorporate the Marine Vapor Recovery metallurgy project for the electric driven compressors in the system;
3. Update the emissions and storage flexibility for the tanks affected by the GHT Project (See TABLE A); and
4. Include two storage tanks (F-513 and F-514) permitted in Permit No. 2601-V1 and 3075-V0 both dated April 28, 2009;
5. Update tanks (F-513, F-514, F-462, F-476, D-413, D-422, W437, and W-438) emissions based on the material stored, temperature of the material stored and the construction of the tank (deck fittings, rim seals, etc.);
6. Incorporate an existing activity for RON/MON octane testing engines, Emission Point 5061-09 which were inadvertently not permitted earlier;
7. Update Insignificant Activity List based on current information and operation changes;

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

8. Update General Condition XVII List based on current information and operation changes;
9. Remove from the inventory a Tank XC-518, Emission Point 5047-06, which was permitted for construction under Part 70 Permit No. 3054-V0 dated March 13, 2007. This tank was never built;
10. Update the specific requirements based on new regulations promulgated or determinations made since the issuance of the current permit; and
11. Updated the storage tank cleaning , Emission Point 5050-06 for the next five years.

The facility is incorporating changes due to the GHT Project in order to meet the Environmental Protection Agency (EPA) Mobile Source Air Toxics (MSAT) Phase 2 final rule requirements dated February 9, 2007. This rule will limit the benzene content of the gasoline produced at the facility to an annual average of 0.62 percent by volume.

Under the GHT proposal Motiva Enterprises LLC will route reformatte produced by Motiva to Shell Norco Chemical Plant-East Site. After fractionation and benzene reduction Shell will send back the low benzene C5-/C7+ stream to Motiva Enterprises LLC along with low benzene C5 gasoline stream. Motiva will experience changes in material and throughput from the storage tanks and the Marine Vapor Recovery (MVR) System.

Estimated emissions increases from the GHT Project including the startup/shutdown operation based on actual to potential for the four tanks and the MVR due to service and throughput change in tons per year is as follows:

<u>Pollutant</u>	<u>2006/2007 Average Emissions</u>	<u>Post GHT Project Emissions</u>	<u>Total Emissions Increase*</u>
VOC	9.24	47.63	38.39

* No credit is being taken for any reductions

Prevention of Significant Deterioration review is not required as the net emissions increase due to the GHT Project is less than the PSD significance level for the criteria pollutants as shown in the table above.

The MVR system at the refinery includes four liquid ring electric driven compressors that transport the vapors collected from the loading of barges and ships at the wharf to the flare (Emission Point 5-89 A&B). The facility will upgrade (metallurgy) three compressors and the fourth will be reconstructed with new and existing parts. This change in method of operation and reconstruction

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

has been determined to be Title I modification and considered a separate project from the GHT Project. The compressors will now be regulated under NSPS, 40 CFR 60, Subpart GGGa – standards of Performance for Equipment Leaks of VOC in Petroleum refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006. MVR system upgrade is a stand alone project and is not dependant on the GHT Project.

Estimated emissions increases from the MVR system compressors upgrade including the startup/shutdown operation based on actual to potential in tons per year is as follows:

<u>Pollutant</u>	<u>2006/2007 Average Emissions (a)</u>	<u>Post MVR Upgrade Emissions (b)</u>	<u>Change</u>
PM ₁₀	0.18	2.06	+ 1.88
SO ₂	0.01	0.11	+ 0.10
NO _x	1.64	18.81	+ 17.17
CO	8.95	102.33	+ 93.38

Prevention of Significant Deterioration review is not required as the net emissions increase due to the MVR system upgrade is less than the PSD significance level for the criteria pollutants as shown in the table above. The change in VOC emissions is negligible.

Permitted emissions from the Logistics II in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	7.65	8.23	+ 0.58
SO ₂	14.09	14.19	+ 0.10
NO _x	76.85	84.13	+ 7.28
CO	314.05	338.34	+ 24.29
VOC*	263.47	274.76	+ 11.29

<u>*VOC LAC 33:III. Chapter 51 Toxic Air Pollutants (TAPs) in tons per year:</u>			
<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
1,3-Butadiene	1.20	1.55	+ 0.35
1-Methylnaphthalene	<0.01	<0.01	-
2,2,4-Trimethylpentane	0.16	0.14	- 0.02

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

*VOC LAC 33:III. Chapter 51 Toxic Air Pollutants (TAPs) in tons per year:			
Pollutant	Before	After	Change
2-Methylnaphthalene	<0.01	<0.01	-
Acetaldehyde	0.01	0.01	-
Acetonitrile	<0.01	<0.01	-
Acrolein	<0.001	<0.001	-
Benzene	3.39	5.29	+ 1.90
Biphenyl	<0.01	<0.01	-
Cresol	<0.01	<0.01	-
Cumene	<0.01	<0.01	-
Ethyl benzene	0.87	0.87	-
Formaldehyde	<0.01	<0.01	-
n-Hexane	4.34	4.70	+ 0.36
Methanol	0.01	0.01	-
Methyl ethyl ketone	<0.01	<0.01	-
Methyl tert butyl ether	1.21	1.34	+ 0.13
Naphthalene	0.32	0.40	+ 0.08
Polynuclear Aromatic Hydrocarbon	0.04	0.05	+ 0.01
Phenol	<0.01	<0.01	-
Styrene	0.05	0.07	+ 0.02
Toluene	5.82	5.87	+ 0.05
Xylene(mixed isomers)	3.57	3.62	+ 0.05
Total	20.99	23.92	+ 2.93

Other VOCs 250.84

Non VOC Toxic Air Pollutants (TAPs)			
Pollutant	Before	After	Change
Ammonia	0.04	0.05	+ 0.01
Hydrogen Sulfide	0.10	0.10	-

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

<u>Non VOC Toxic Air Pollutants (TAPs)</u>			
Sulfuric acid	0.23	0.23	-
Total	0.37	0.38	+ 0.01

The increase in emissions is insignificant; therefore, Prevention of Significant Deterioration review is not required..

TABLE A

EMISSION POINT	PRODUCT STORED	DATE OF CONST./MOD.	ROOF TYPE	APPLICABLE REGULATION (1)
1-92	Slop Oil (High TVP), Ballast Water	1993	IFR	2103, Kb, CC, FF
2-92	Slop Oil (High TVP), Ballast Water	1993	IFR	2103, Kb, CC, FF
1037-95	Finished Gasoline	1989	FR	2103
1038-95	Finished Gasoline	1989	FR	2103
1073-95	Residue, Gas Oil, Heavy Cat Cracker, Coker Feed, HGO	1971	FR	CC
1082-95	Slop Oil (Low TVP)	1971	FR	FF, CC
1083-95	Slop Oil (Low TVP)	1971	FR	FF, CC
1086-95	Slop Oil (Low TVP)	1945	FR	FF, CC
1087-95	Slop Oil (Low TVP)	1953	FR	FF, CC
1088-95	Slop Oil (Low TVP)	1953	FR	FF, CC
1089-95	Slop Oil (Low TVP)	1953	FR	FF, CC
1204-95	Alkaline Sol., Slop Oil (High TVP) Ballast Water, Leachate,	1955	EFR	2103, FF, CC
1213-95	MTBE Wastewater	1978	EFR	2103, FF, CC
1231-95	Finished Gasoline and Blending	1957	EFR	2103, CC
1232-95	Finished Gasoline and Blending	1957	EFR	2103, CC
1256-95	Slop Oil (Low TVP)	1948	IFR	2103, QQQ, FF, CC
1257-95	Slop Oil (Low TVP)	1948	IFR	2103, QQQ, FF, CC
1258-95	Slop Oil (Low TVP)	1994	IFR	2103, Kb, FF, CC
1259-95	Slop Oil (Low TVP) and Tank Water Draw	1991	IFR	2103, FF, CC
1260-95	Slop Oil (Low TVP) and Tank Water Draw	1991	IFR	2103, FF, CC

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

TABLE A

EMISSION POINT	PRODUCT STORED	DATE OF CONST./MOD.	ROOF TYPE	APPLICABLE REGULATION (1)
1265-95	Tank Water Draw, alkaline Sol., Leachate, Ballast Water	1994	EFR	2103, Kb, FF, CC
5046-06	Sour Water, Gas Oil, Cat Cracker Diesel, Offspec	2007	EFR	2103, Kb, FF, CC

(1) 2103 = LAC 33:III.2103; Kb = 40 CFR 60 Subpart Kb; QQQ = 40 CFR 60 Subpart QQQ;
FF = 40 CFR 61 Subpart FF; CC = 40 CFR 63 Subpart CC

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS), and NESHAP. Prevention of Significant Deterioration does not apply.

This facility is part of a major source of toxic air pollutants. Motiva's air toxic compliance plan was approved January 8, 1996 and incorporated in all the Part 70 permits for the facility

The facility is classified under "Petroleum Refineries" for which there are established standards in New Source Performance Standards (NSPS), 40 CFR 60 Subpart J – Petroleum Refineries. Norco Refinery is also subject to NSPS, 40 CFR 60 Subpart GGG – Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries; 40 CFR 60 Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater System; National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63 Subpart CC – National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries. The refinery as a whole is a major source of toxic air pollutants and must comply with all applicable requirements of LAC 33:III.Chapter 51. The refinery as a whole shall comply with all the applicable provisions of NESHAP, 40 CFR 61 Subpart FF – National Emission Standard for Benzene Waste Operations. Motiva is also subject to all applicable provisions of Louisiana Refinery MACT Determination dated July 26, 1994 and other approvals by LDEQ.

V. CREDIBLE EVIDENCE

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

(Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. PUBLIC NOTICE

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and St. Charles Herald-Guide, Louisiana, on August **, 2009. Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on August **, 2009. The proposed permit was sent to U.S. EPA via e-mail on August **, 2009. All comments received shall be considered before an action is taken on this proposed permit.

VII. EFFECTS ON AMBIENT AIR

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
NA			

VIII. GENERAL CONDITION XVII ACTIVITIES (tons per year)

Activity	Frequency	NOX	CO	SO2	PM10	VOC
Logistics II Sampling	60 drums/year					0.35
Logistic II Equipment Maintenance	10 events /month					0.02

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

IX. INSIGNIFICANT ACTIVITIES

<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
IA A.3-1	Stadis 425 Conductivity Improver Storage Tank (518 gal)	LAC 33:III.501.B.5.A.3
IA A.6-1	Main Laboratory Vents	LAC 33:III.501.B.5.A.6
IA A.9-1	West Ops ground Flare Hydrogen Sulfide CEMS	LAC 33:III.501.B.5.A.9

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5	9	11	13	15	2103	2107	2108	2109	2113	2115	2121	2135	2137	2141	29*	51*	52	56
UNF004	Logistics II	1	1	1	2					1						1	1	1	1	1
EQT153	1037-95, Horizontal Tank F-410					1										1				
EQT154	1038-95, Horizontal Tank F-411						1									1				
EQT155	1073-95, Fixed Roof Tank F-492							2								1				
EQT156	1082-95, Fixed Roof Tank W-427								2							1				
EQT157	1083-95, Fixed Roof Tank W-428									2						1				
EQT158	1086-95, Fixed Roof Tank W-406										2					1				
EQT159	1087-95, Fixed Roof Tank W-410											2				1				
EQT160	1089-95, Fixed Roof Tank W-412												2			1				
EQT161	1204-95, External Floating Roof Tank F-462													1			1			
EQT162	1213-95, External Floating Roof Tank F-501													1			1			

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:II:Chapter																		
		5	9	11	13	15	2103	2107	2108	2109	2113	2115	2121	2135	2137	2141	29*	51*	52	56
EQT163	1231-95, External Floating Roof Tank F-477																		1	
EQT164	1232-95, External Floating Roof Tank F-478																		1	
EQT165	1256-95, Internal Floating Roof Tank D-413																		1	
EQT166	1257-95, Internal Floating Roof Tank D-422																		1	
EQT167	1258-95, Internal Floating Roof Tank W-409																		1	
EQT168	1259-95, Internal Floating Roof Tank W-437																		1	
EQT169	1265-95, External Floating Roof Tank F-476																		1	
EQT170	1-94, Vent from Wharf Acid Scrubber (PV-49)																		1	
EQT171	3302-95, Loading-Garage (Uncontrolled)																		1	
EQT172	3307-95, Loading Wharf (Uncontrolled)																		1	
EQT173	5023-02, Storm Water Impoundment Basin System																		1	

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																		
		5	9	11	13	15	2103	2107	2108	2109	2113	2115	2121	2135	2137	2141	29*	51*	52	56
EQT174	5045-02, Storm Water Impoundment Basin Diesel Pumps																			
EQT175	5046-06, External Floating Roof Tank F-517																	1		
EQT177	5050-06, Tank Cleaning																			2
EQT178	5052-06, WOGF Startup/Shutdown Emissions																			
EQT179	5-89A&B, Marine Vapor Recovery Stacks																	1		
EQT180	9-84, West Ops Ground Flare																	1		
EQT181	1088-95, Fixed Roof Tank W-411																	1		
EQT182	1260-95, Internal Floating Roof Tank W-438																	1		
EQT262	A-3039, Berth 1																	1		
EQT263	A-3041, Berth 1																	1		
EQT264	A-3042, Berth 1																	1		
EQT265	A-3043, Berth 1																	1		
EQT266	A-3044, Berth 1																	1		
EQT267	A-3045, Berth 1																	1		

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5	9	11	13	15	2103	2107	2108	2113	2115	2121	2135	2137	2141	29*	51*	52	56	59
EQT268	A-3046, Berth 1																			1
EQT269	A-3047, Berth 1A																			1
EQT270	A-3048, Berth 1A																			1
EQT271	A-3051, Berth 1A																			1
EQT272	A-3052, Beth 2																			1
EQT273	A-3053, Beth 2																			1
EQT274	A-3054, Beth 2																			1
EQT275	A-3055, Beth 2																			1
EQT276	A-3057, Beth 2																			1
EQT277	A-3058, Beth 2																			1
EQT278	A-4520, Beth 2																			1
EQT279	A-4581, Berth 1A																			1
EQT280	A-4522, Island 1																			1
EQT281	A-4525, Island 2																			1
EQT282	A-4526, Island 2																			1
EQT283	A-4527, Island 2																			1
EQT284	A-4528, Island 2																			1
EQT285	A-4529, Island 3																			1
EQT286	A-4530, Island 3																			1

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																			
		5	9	11	13	15	2103	2107	2108	2109	2113	2115	2121	2135	2137	2141	29*	51*	52	56	59
EQT287	A-4531, Island 3																				
EQT288	A-4532, Island 3																				
EQT289	A-4533, Island 3																				
EQT290	A-4536, Track 3																	1			
EQT291	A-4537, Track 3																	1			
EQT292	A-4538, Track 3																	1			
EQT293	A-4539, Track 3																	1			
EQT294	A-4540, Track 3																	1			
EQT295	A-4541, Track 3																	1			
EQT296	A-4542, Track 3																	1			
EQT297	A-4543, Track 4																	1			
EQT298	A-4544, Track 4																	1			
EQT299	A-4545, Track 4																	1			
EQT300	A-4546, Track 4																	1			
EQT301	A-4547, Track 4																	1			
EQT302	A-4548, Track 4																	1			
EQT303	A-4549, Track 4																	1			
EQT304	A-4550, Track 5																	1			
EQT305	A-4551, Track 5																	1			

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:II.Chapter																			
		5	9	11	13	15	2103	2107	2108	2109	2113	2115	2121	2135	2137	2141	29*	51*	52	56	59
EQT306	A-4552, Track 5																				
EQT307	A-4553, Track 5																				
EQT308	A-4554, Track 5																				
EQT309	A-4555, Track 5																				
EQT310	A-5655, Berth 1A																	1			
EQT354	1-92, Tank F-513 Internal Floating Roof Tank																2				
EQT355	2-92, F-514 Internal Floating Roof Tank																2				
EQT356	5061-95, RON/MON Octane Test Engine																2				
EQT357	K-6220-23 MVR Compressors																1				

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5	9	11	13	15	2103	2107	2108	2109	2113	2115	2121	2135	2137	2141	29*	51*	52	56
KEY TO MATRIX																				
1	- The regulations have applicable requirements which apply to this particular emission source.																			
	- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.																			
2	- The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.																			
3	- The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.																			
	Blank - The regulations clearly do not apply to this type of emission source.																			
*	The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.																			

* The regulations indicated above are State Only regulations.

- ▲ All LAC 33:III.Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	J	K	Ka	Kb	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	YY	64	68	82				
UNF004	Logistics II	1								1	1	1	1	1	1										1	1					
EQT153	1037-95, Horizontal Tank F-410																										2				
EQT154	1038-95, Horizontal Tank F-411																										2				
EQT155	1073-95, Fixed Roof Tank F-492																										1				
EQT156	1082-95, Fixed Roof Tank W-427																										1				
EQT157	1083-95, Fixed Roof Tank W-428																										1				
EQT158	1086-95, Fixed Roof Tank W-406																										1				
EQT159	1087-95, Fixed Roof Tank W-410																										1				
EQT160	1089-95, Fixed Roof Tank W-412																										1				
EQT161	1204-95, External Floating Roof Tank F-462																										1				

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 61						40 CFR 63 NESHAP						40 CFR			
		A	J	K	Ka	Kb	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	YY	64	68	82		
EQT162	1213-95, External Floating Roof Tank F-501																												
EQT163	1231-95, External Floating Roof Tank F-477																												
EQT164	1232-95, External Floating Roof Tank F-478																												
EQT165	1256-95, Internal Floating Roof Tank D-413																												
EQT166	1257-95, Internal Floating Roof Tank D-422																												
EQT167	1258-95, Internal Floating Roof Tank W-437																												
EQT168	1259-95, Internal Floating Roof Tank W-437																												
EQT169	1265-95, External Floating Roof Tank F-1-94, Vent from Wharf Acid Scrubber																												
EQT170																													

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS										40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	J	K	K _a	K _b	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	YY	64	68	82		
EQT171	3302-95, Loading-Garage																												
EQT172	3307-95, Loading Wharf (Uncontrolled)																												
EQT173	5023-02, Storm Water Impoundment Basin System																												
EQT174	5045-02, Storm Water Impoundment Basin Diesel Pumps																												
EQT175	5046-06, External Floating Roof Tank F-517																												
EQT177	5050-06, Tank Cleaning																												
EQT178	5052-06, WOGF Startup/Shutdown																												
EQT179	5-89A&B, Marine Vapor Recovery																												
EQT180	9-84, West Ops Ground Flare																												
EQT181	1088-95, Fixed Roof Tank W-411																												

P-3110: Subpart III applies

P-3110: Subpart ZZZZ applies

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR							
		A	J	K	Ka	Kb	UU	VV	GCC	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	YY	64	68	82
EQT182	1260-95, Internal Floating Roof Tank																										
EQT262	A-3039, Berth 1																										
EQT263	A-3041, Berth 1																										
EQT264	A-3042, Berth 1																										
EQT265	A-3043, Berth 1																										
EQT266	A-3044, Berth 1																										
EQT267	A-3045, Berth 1																										
EQT268	A-3046, Berth 1																										
EQT269	A-3047, Berth 1A																										
EQT270	A-3048, Berth 1A																										
EQT271	A-3051, Berth 1A																										
EQT272	A-3052, Berth 2																										
EQT273	A-3053, Berth 2																										
EQT274	A-3054, Berth 2																										
EQT275	A-3055, Berth 2																										
EQT276	A-3057, Berth 2																										
EQT277	A-3058, Berth 2																										
EQT278	A-4520, Berth 2																										

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II

AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR							
		A	J	K	Ka	Kb	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	YY	64	68	82
EQT279	A-4581, Beth 1A																										
EQT280	A-4522, Island 1																										1
EQT281	A-4525, Island 2																										
EQT282	A-4526, Island 2																										
EQT283	A-4527, Island 2																										
EQT284	A-4528, Island 2																										
EQT285	A-4529, Island 3																										
EQT286	A-4530, Island 3																										
EQT287	A-4531, Island 3																										
EQT288	A-4532, Island 3																										
EQT289	A-4533, Island 3																										
EQT290	A-4536, Track 3																										1/-
EQT291	A-4537, Track 3																										1/-
EQT292	A-4538, Track 3																										1/-
EQT293	A-4539, Track 3																										
EQT294	A-4540, Track 3																										
EQT295	A-4541, Track 3																										
EQT296	A-4542, Track 3																										
EQT297	A-4543, Track 4																										1/-

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 61					40 CFR 63 NESHAP					40 CFR				
		A	J	K	Ka	Kb	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	YY	64	68	82	
KEY TO MATRIX																												
1	- The regulations have applicable requirements which apply to this particular emission source.																											
	- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.																											
2	- The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.																											
3	- The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.																											
	Blank – The regulations clearly do not apply to this type of emission source.																											

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
Unit Wide	Emission Standards for Sulfur Dioxide Compliance Assurance Monitoring	Does not apply Does not apply	LAC 33:III.1502.A.3 40 CFR 64	No single point source emits more than the threshold Emission sources do not emit more than 100 tons without controls
EQT 153 and 154 1037-95 and 1038-95, Tanks F-410 and 411	NESHAP, Subpart CC – National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries NESHAP, Subpart EEEE – National Emission Standards for Hazardous Pollutants: Organic Liquid Distribution (Nor-Gasoline)	Does not apply	40 CFR 63.641 40 CFR 63.2406	Does not meet the definition of a Storage Vessel Does not meet the definition of an organic liquid
EQT 155 thru 160, and 181 1073-95, 1082-95, 1083-95, 1086-95, 1087-95, 1088-95, and 1089-95, and 1088-95, Tanks F-492, W-427, W-428, W-406, W-410, W-412, and W-411	Control of Emissions of Organic Compounds – Storage of Volatile Organic Compounds	Does not apply	LAC 33:III.2103.A	Maximum operating true vapor pressure less than 1.5 psia
EQT 158 thru 162, 165 thru 167, 169, 175 and 181 1086-95, 1087-95, 1089-95, 1204-95, 1213-95, 1256-95, 1257-95, 1258-95, 1265-95 5046-06 and 1088-95, Tanks	NESHAP, Subpart YY – National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards	Does not apply	40 CFR 63.1103(e)(iii)	Complies with the requirements of NEHAP, 40 CFR 63, Subpart CC

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT165, 166, and 175 1256-95, 1257-95, and 5946-06 Tanks D-413, D-422, and F-517	NSPS, Subpart QQQ, 40 CFR 60.690	Does not apply	40 CFR 60.692-3(d)	Complies with the requirements of NSPS, 40 CFR 60, Subpart Kb
EQT168 and 182 1259-95 and 1260-95, Tanks W-437 and W-438	NSPS, Subpart Kb – Standards of Performance for VOL Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	Does not apply	40 CFR 60.110(b)(a)	Capacity less than the threshold and not constructed, reconstructed, or modified after July 23, 1984
EQT172 3307-95, Loading Wharf (Uncontrolled)	NESHAP, Subpart Y – National Emission Standards for Marine Tank Vessel Loading Operations	Exempt	40 CFR .560(d)(1)	True vapor pressure at loading conditions less than 1.5 psia
	NESHAP, Subpart CC – National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries	Does not apply	40 CFR 63.640©(6)	Does not meet the applicability of 40 CFR 63, Subpart Y
	Control of Emissions of Organic Compounds – Marine Vapor Recovery	Exempt	LAC 33:III.2108.A	Maximum operating true vapor pressure less than 1.5 psia
EQT174 5045-02, Storm Water Impoundment Basin Diesel Pumps	Emission Standards for Sulfur Dioxide	Does not apply	LAC 33:III.1502.A.3	Emits less than 5 tons per year
	Comprehensive Toxic Air Pollutant Emission Control Program	Exempt	LAC 33:III.105.B.3.a	Engines combust diesel, Group 1 virgin fossil fuel
	NSPS, Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Does not apply	40 CFR 60.	P-3100 and P-3102: Engines ordered and installed before July 11, 2005

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT174 5045-02, Storm Water Impoundment Basin Diesel Pumps (Continued)	NESHAP, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Does not apply	40 CFR 63.6590(b)(3)	P-3100 and P-3102: Existing engines
EQT179 and 180 5-89A&B and 9-84, MVR Stacks and West Ops Ground Flare	Emission Standards for Sulfur Dioxide	Does not apply	LAC 33:III.1502.A.3	Emits less than 5 tpy of Sulfur dioxide
EQT354 and 355 1-92 and 2-92, Tank F-513 and F-514	Control of Emissions of Organic Compounds – Oil/Water Separation	Does not apply	LAC 33:III.2109	Not an affected emission source
	NSPS, Subpart QQQ, 40 CFR 60.690	Does not apply	40 CFR 60.692-3(d)	Complies with the requirements of NSPS, 40 CFR 60, Subpart Kb
	NESHAP, Subpart YY – National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards	Does not apply	40 CFR 63.1103(e)(iii)	Complies with the requirements of NESMAP, 40 CFR 63, Subpart CC
EQT356 5061-09, RON/MON Octane Test Engines	Emission Standards for Sulfur Dioxide	Does not apply	LAC 33:III.1502.A.3	Emits less than 5 tpy of Sulfur dioxide
	NSPS, Subpart JJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	Does not apply	40 CFR 60.4230(a)	Do not meet the definition of a Spark Ignition Internal Combustion Engine

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

LOGISTICS II
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA

X1. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit				

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	2520-00002	Motiva Enterprises LLC - Norco Refinery	CDS Number	05-27-1993
76-0489497	LAD008186579	Shell Norco Refining Co	Federal Tax ID	07-23-2002
	C.A.	Motiva Enterprises LLC - Norco Refinery	Hazardous Waste Notification	08-18-1980
	LAD008186579	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
	LA0003522	Inactive	Inactive & Abandoned Sites	11-01-1979
	WP0512	LPDES #	LPDES Permit #	06-25-2003
		LWDPs #	LWDPs Permit #	06-25-2003
		Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
	LA-2176-L01	Radioactive Material License	Radiation License Number	10-24-2001
	2176	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
	GD-089-0359	Site ID #	Solid Waste Facility No.	08-17-2001
	100456	Shell Norco Refining Co	TEMPO Merge	01-27-2005
	17667	Shell Oil Co - Norco Manufacturing Complex Refinery	TEMPO Merge	02-21-2001
	19277	Motiva Enterprises - Norco Refinery	TEMPO Merge	02-21-2001
	33125	Motiva Enterprises LLC - Shell Oil Co/Norco Refinery	TEMPO Merge	04-29-2001
	34615	Motiva Enterprises LLC - Norco Refining Plant	TEMPO Merge	02-21-2001
	37398	Shell Oil Co Norco	TEMPO Merge	07-05-2001
	38782	Motiva Norco Refining Co	TEMPO Merge	05-02-2001
	45019	Shell Oil Co - Norco Manufacturing Complex	TEMPO Merge	02-21-2001
	47233	Shell Oil Co - Motiva LLC Norco Refinery	TEMPO Merge	02-21-2001
	71559	Norco Refinery	TEMPO Merge	02-21-2001
	70079MTV/NR15536	TRI #	Toxic Release Inventory	07-13-2004
	45008351	UST Facility ID	UST FID #	09-10-1999
			Main FAX:	5044656360
			Main Phone:	5044657609
Physical Location:		15536 River Rd (portion of)		
		Norco, LA 70079		
Mailing Address:		PO Box 10		
		Norco, LA 700790010		
Location of Front Gate:		29 995372 Latitude, -90 410167 longitude, Coordinate Method: Lat./Long. - DMS, Coordinate Datum: NAD83		
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Anne-Marie Ainsworth	15536 River Rd Norco, LA 70079	anne-marie.ainsworth	Responsible Official for
	Anne-Marie Ainsworth	15536 River Rd Norco, LA 70079	5044656014 (W/P)	Responsible Official for

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	William Cupp	3433 Hwy 190 PMB 342 Mandeville, LA 70448	9857279832 (WP)	Employed by
	William Cupp	3433 Hwy 190 PMB 342 Mandeville, LA 70448	9857279832 (WP)	Underground Storage Tank Contact for
	Andrew Englaude	PO Box 10 Norco, LA 700790010	5044657011 (WP)	Water Billing Party for
	Andrew Englaude	PO Box 10 Norco, LA 700790010	5044657011 (WP)	Water Billing Party for
	Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Solid Waste Billing Party for
	Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Employed by
	Kirk Menard		5044657809 (WP)	Haz. Waste Billing Party for
	Kirk Menard		5044657202 (WP)	Employed by
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044657202 (WP)	Hazardous Waste Permit Contact For
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044657994 (WP)	Accident Prevention Billing Party for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044656729 (WF)	Accident Prevention Billing Party for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044156470 (CP)	Accident Prevention Billing Party for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	bill.marquis@motiva.	Accident Prevention Billing Party for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	bill.marquis@motiva.	Accident Prevention Contact for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044156470 (CP)	Accident Prevention Contact for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044656729 (WF)	Accident Prevention Contact for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044657994 (WP)	Accident Prevention Contact for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	bill.marquis@motiva.	Radiation Contact For
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044156470 (CP)	Radiation Contact For
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044656729 (WF)	Radiation Contact For
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044657994 (WP)	Radiation Contact For
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	bill.marquis@motiva.	Radiation Safety Officer for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044156470 (CP)	Radiation Safety Officer for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044657994 (WP)	Radiation Safety Officer for
	Quinvoia Robinson-Wells	15536 River Rd Norco, LA 70079	5044656729 (WF)	Radiation Safety Officer for
	Rene' Thouliot	PO Box 10 Norco, LA 700790010	RENE.THOULION@	Emission Inventory Contact for
	Rene' Thouliot	PO Box 10 Norco, LA 700790010	5044657264 (WP)	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Motiva Enterprises LLC	Attn: Environmental Mgr Norco, LA 700790010	7132416147 (WP)	Owns
	Motiva Enterprises LLC	Attn: Environmental Mgr Norco, LA 700790010	7132416147 (WP)	UST Billing Party for
	Motiva Enterprises LLC	Attn: Environmental Mgr Norco, LA 700790010	7132416147 (WP)	Emission Inventory Billing Party
	Motiva Enterprises LLC	PO Box 10 Norco, LA 700790010	5044657851 (WP)	Air Billing Party for
	Shell Norco Refinery - Motiva	Invoice Processing Convent, LA 70723		Radiation Registration Billing Party for
	Shell Norco Refinery - Motiva	15536 River Rd Norco, LA 70079		Radiation License Billing Party for

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max Operating Rate	Normal Operating Rate	Contents	Operating Time
Logistics II						
EQT 0153	1037-95 - Tank F-410 Horizontal	996 gallons		155988 gallons/yr		8760 hr/yr
EQT 0154	1038-95 - Tank F-411 Horizontal	996 gallons		155988 gallons/yr		8760 hr/yr
EQT 0155	1073-95 - Tank F-492 Fixed Roof	7.62 million gallons		170.85 MM gallons/yr		8760 hr/yr
EQT 0156	1082-95 - Tank W-427 Fixed Roof	5701 gallons		1.38 MM gallons/yr		8760 hr/yr
EQT 0157	1083-95 - Tank W-428 Fixed Roof	5701 gallons		1.38 MM gallons/yr		8760 hr/yr
EQT 0158	1086-95 - Tank W-406 Fixed Roof	50767 gallons		3.68 MM gallons/yr		8760 hr/yr
EQT 0159	1087-95 - Tank W-410 Fixed Roof	42306 gallons		1.84 MM gallons/yr		8760 hr/yr
EQT 0160	1089-95 - Tank W-412 Fixed Roof	42306 gallons		1.84 MM gallons/yr		8760 hr/yr
EQT 0161	1204-95 - Tank F-462 External Floating Roof	517113 gallons		26.88 MM gallons/yr		8760 hr/yr
EQT 0162	1213-95 - Tank F-501 External Floating Roof	12.65 million gallons		28.97 MM gallons/yr		8760 hr/yr
EQT 0163	1231-95 - Tank F-477 External Floating Roof	517119 gallons		15.33 MM gallons/yr		8760 hr/yr
EQT 0164	1232-95 - Tank F-478 External Floating Roof	517119 gallons		15.33 MM gallons/yr		8760 hr/yr
EQT 0165	1256-95 - Tank D-413 Internal Floating Roof	823901 gallons		19.81 MM gallons/yr		8760 hr/yr
EQT 0166	1257-95 - Tank D-422 Internal Floating Roof	634475 gallons		18.92 MM gallons/yr		8760 hr/yr
EQT 0167	1258-95 - Tank W-409 Internal Floating Roof	42300 gallons		3.68 MM gallons/yr		8760 hr/yr
EQT 0168	1259-95 - Tank W-437 Internal Floating Roof	1533 gallons		15.792 MM gallons/yr		8760 hr/yr
EQT 0169	1265-95 - Tank F-476 External Floating Roof	517119 gallons		92.4 MM gallons/yr		8760 hr/yr
EQT 0170	1-94 - Vent from Wharf Acid Scrubber (PV-49)		1500 bbl/hr	310000 bbl/yr		620 hr/yr
EQT 0171	3302-95 - Loading-Garage (Uncontrolled)		312000 gallons/yr	312000 gallons/yr		780 hr/yr
EQT 0172	3307-95 - Loading-Wharf (Uncontrolled)		3.36 MM gallons/hr	648.9 MM gallons/yr		8760 hr/yr
EQT 0173	5023-02 - Storm Water Impoundment Basin System	5800 gallons/min		5800 gallons/min		8760 hr/yr
EQT 0174	5045-02 - Storm Water Impoundment Basin Diesel Pumps	1353 horsepower		1353 horsepower		950 hr/yr
EQT 0175	5046-06 - Tank F-517 External Floating Roof	3.4 million gallons		89425014 gallons/yr		8760 hr/yr
EQT 0177	5050-06 - Tank Cleaning			(None Specified)		(None Specified)
EQT 0178	5052-06 - WOGF Startup/Shutdown Emissions			70.17 MM BTU/yr		8760 hr/yr
EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks			553150 MM BTU/yr		8760 hr/yr
EQT 0180	9-84 - West Ops Ground Flare (FG-201)			108.9 MM BTU/yr		8760 hr/yr
EQT 0181	1088-95 - Tank W-411 Fixed Roof	42306 gallons		1.84 MM gallons/yr		8760 hr/yr
EQT 0182	1260-95 - Tank W-438 Internal Floating Roof	1533 gallons		15.79 MM gallons/yr		8760 hr/yr
EQT 0262	A-3039 - Berth 1			(None Specified)		(None Specified)
EQT 0263	A-3041 - Berth 1			(None Specified)		(None Specified)
EQT 0264	A-3042 - Berth 1			(None Specified)		(None Specified)
EQT 0265	A-3043 - Berth 1			(None Specified)		(None Specified)
EQT 0266	A-3044 - Berth 1			(None Specified)		(None Specified)
EQT 0267	A-3045 - Berth 1			(None Specified)		(None Specified)
EQT 0268	A-3046 - Berth 1			(None Specified)		(None Specified)
EQT 0269	A-3047 - Berth 1A			(None Specified)		(None Specified)

INVENTORIES

AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Logistics II						
EQT 0270	A-3048 - Berth 1A				(None Specified)	
EQT 0271	A-3051 - Berth 1A				(None Specified)	
EQT 0272	A-3052 - Berth 2				(None Specified)	
EQT 0273	A-3053 - Berth 2				(None Specified)	
EQT 0274	A-3054 - Berth 2				(None Specified)	
EQT 0275	A-3055 - Berth 2				(None Specified)	
EQT 0276	A-3057 - Berth 2				(None Specified)	
EQT 0277	A-3058 - Berth 2				(None Specified)	
EQT 0278	A-4520 - Berth 2				(None Specified)	
EQT 0279	A-4581 Berth 1A				(None Specified)	
EQT 0280	A-4522 - Island 1				(None Specified)	
EQT 0281	A-4525 - Island 2				(None Specified)	
EQT 0282	A-4526 - Island 2				(None Specified)	
EQT 0283	A-4527 - Island 2				(None Specified)	
EQT 0284	A-4528 - Island 2				(None Specified)	
EQT 0285	A-4529 - Island 3				(None Specified)	
EQT 0286	A-4530 - Island 3				(None Specified)	
EQT 0287	A-4531 - Island 3				(None Specified)	
EQT 0288	A-4532 - Island 3				(None Specified)	
EQT 0289	A-4533 - Island 3				(None Specified)	
EQT 0290	A-4536 - Track 3				(None Specified)	
EQT 0291	A-4537 - Track 3				(None Specified)	
EQT 0292	A-4538 - Track 3				(None Specified)	
EQT 0293	A-4539 - Track 3				(None Specified)	
EQT 0294	A-4540 - Track 3				(None Specified)	
EQT 0295	A-4541 - Track 3				(None Specified)	
EQT 0296	A-4542 - Track 3				(None Specified)	
EQT 0297	A-4543 - Track 4				(None Specified)	
EQT 0298	A-4544 - Track 4				(None Specified)	
EQT 0299	A-4545 - Track 4				(None Specified)	
EQT 0300	A-4546 - Track 4				(None Specified)	
EQT 0301	A-4547 - Track 4				(None Specified)	
EQT 0302	A-4548 - Track 4				(None Specified)	
EQT 0303	A-4549 - Track 4				(None Specified)	
EQT 0304	A-4550 - Track 5				(None Specified)	
EQT 0305	A-4551 - Track 5				(None Specified)	
EQT 0306	A-4552 - Track 5				(None Specified)	
EQT 0307	A-4553 - Track 5				(None Specified)	
EQT 0308	A-4554 - Track 5				(None Specified)	

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Logistics II						
EQT 0309	A-4555 - Track 5					(None Specified)
EQT 0310	A-5655 - Berth 1A					(None Specified)
EQT 0354	1-92 - Tank F-513 Internal Floating Roof	840000 gallons	26.88 MM gallons/yr	Transferred from Permit No. 2601-V1		8760 hr/yr
EQT 0355	2-92 - Tank F-514 Internal Floating Roof	840000 gallons	26.88 MM gallons/yr	Transferred from Permit No. 3045-V0		8760 hr/yr
EQT 0356	5061-09 - RONIMON Octane Test Engines		.59 MM BTU/yr	.59 MM BTU/yr		8760 hr/yr
EQT 0357	MVRC - K-6220-23 MVR Compressors					(None Specified)
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
Logistics II						
EQT 0153	1037-95 - Tank F-410 Horizontal					4
EQT 0154	1038-95 - Tank F-411 Horizontal					4
EQT 0155	1073-95 - Tank F-492 Fixed Roof					40
EQT 0156	1082-95 - Tank W-427 Fixed Roof					19.8
EQT 0157	1083-95 - Tank W-428 Fixed Roof					19.8
EQT 0158	1086-95 - Tank W-406 Fixed Roof					15
EQT 0159	1087-95 - Tank W-410 Fixed Roof					18
EQT 0160	1089-95 - Tank W-412 Fixed Roof					18
EQT 0161	1204-95 - Tank F-462 External Floating Roof					40
EQT 0162	1213-95 - Tank F-501 External Floating Roof					40
EQT 0163	1231-95 - Tank F-477 External Floating Roof					10
EQT 0164	1232-95 - Tank F-478 External Floating Roof					40
EQT 0165	1256-95 - Tank O-413 Internal Floating Roof					29.5
EQT 0166	1257-95 - Tank D-422 Internal Floating Roof					30
EQT 0167	1258-95 - Tank W-409 Internal Floating Roof					18
EQT 0168	1259-95 - Tank W-437 Internal Floating Roof					7.25
EQT 0169	1265-95 - Tank F-476 External Floating Roof					40
EQT 0170	1-94 - Vent from Wharf Acid Scrubber (PV-49)		5.38	56	.83	25
EQT 0171	3302-95 - Loading Garage (Uncontrolled)					15
EQT 0172	3307-95 - Loading Wharf (Uncontrolled)					15
EQT 0175	5046-06 - Tank F-517 External Floating Roof					40

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Logistics II							
EQT 0177	5050-06 - Tank Cleaning						
EQT 0178	5052-06 - WOGF Startup/Shutdown Emissions	65.62		17.07		52	1832
EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks	65.62		11.9		65	1832
EQT 0180	9-84 - West Ops Ground Flare (FG-201)	65.62		17.07		52	1832
EQT 0181	1088-95 - Tank W-411 Fixed Roof					18	
EQT 0182	1260-95 - Tank W-438 Internal Floating Roof					7.25	
EQT 0354	1-92 - Tank F-5-13 Internal Floating Roof					34	
EQT 0355	2-92 - Tank F-5-14 Internal Floating Roof					34	

Relationships:

ID	Description	Relationship	ID	Description
EQT 0262	A-3039 - Berth 1	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0263	A-3041 - Berth 1	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0264	A-3042 - Berth 1	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0265	A-3043 - Berth 1	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0266	A-3044 - Berth 1	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0267	A-3045 - Berth 1	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0268	A-3046 - Berth 1	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0269	A-3047 - Berth 1A	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0270	A-3048 - Berth 1A	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0271	A-3051 - Berth 1A	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0272	A-3052 - Berth 2	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0273	A-3053 - Berth 2	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0274	A-3054 - Berth 2	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0275	A-3055 - Berth 2	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0276	A-3057 - Berth 2	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0277	A-3058 - Berth 2	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0278	A-4520 - Berth 2	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0279	A-4581 - Berth 1A	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks
EQT 0280	A-4522 - Island 1	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0281	A-4525 - Island 2	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0282	A-4526 - Island 2	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0283	A-4527 - Island 2	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0284	A-4528 - Island 2	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

Relationships:

ID	Description	Relationship	ID	Description
EQT 0285	A-4529 - Island 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0286	A-4530 - Island 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0287	A-4531 - Island 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0288	A-4532 - Island 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0289	A-4533 - Island 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0290	A-4536 - Track 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0291	A-4537 - Track 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0292	A-4538 - Track 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0293	A-4539 - Track 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0294	A-4540 - Track 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0295	A-4541 - Track 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0296	A-4542 - Track 3	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0297	A-4543 - Track 4	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0298	A-4544 - Track 4	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0299	A-4545 - Track 4	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0300	A-4546 - Track 4	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0301	A-4547 - Track 4	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0302	A-4548 - Track 4	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0303	A-4549 - Track 4	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0304	A-4550 - Track 5	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0305	A-4551 - Track 5	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0306	A-4552 - Track 5	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0307	A-4553 - Track 5	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0308	A-4554 - Track 5	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0309	A-4555 - Track 5	Controlled by	EQT 0180	9-84 - West Ops Ground Flare (FG-201)
EQT 0310	A-5655 - Berth 1A	Controlled by	EQT 0179	5-89 A&B - Marine Vapor Recovery Stacks

Subject Item Groups:

ID	Group Type	Group Description
UNF 0004	Unit or Facility Wide	LGSTC II - Logistics II

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

Annual Maintenance Fee:

Fee Number		Air Contaminant Source	Multplier	Units Of Measure
0720		0720 Petroleum Refining (Rated Capacity)	1	M dbv/day

SIC Codes:

2911	Petroleum refining	UNF 004
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			Fm10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Logistics II															
EQT 0153 1037.95													0.07	0.31	
EQT 0154 1038.95													0.07	0.31	
EQT 0155 1073.95													6.62	29.00	
EQT 0156 1082.95													0.12	0.55	
EQT 0157 1083.95													0.12	0.55	
EQT 0158 1086.95													0.75	3.26	
EQT 0159 1087.95													0.56	2.45	
EQT 0160 1089.95													0.56	2.47	
EQT 0161 1204.95													0.44	1.92	
EQT 0162 1213.95													0.37	1.64	
EQT 0163 1231.95													1.39	6.07	
EQT 0164 1232.95													1.15	5.02	
EQT 0165 1256.95													1.27	5.56	
EQT 0166 1257.95													1.27	5.57	
EQT 0167 1258.95													0.68	2.99	
EQT 0168 1259.95													0.14	0.61	
EQT 0169 1265.95													0.58	2.55	
EQT 0170 1.94													0.11	0.32	0.03
EQT 0171 3302.95													39.32	117.95	12.19
EQT 0172 3307.95													0.29	3.27	1.27
EQT 0173 5023.02													2.65	131.39	11.59
EQT 0174 5045.02	9.04	9.94	4.29	41.94	46.14	19.92	2.98	3.27	1.41	2.77	3.05	1.32	4.22	4.22	18.47
EQT 0175 5045.06													0.22	0.97	

EMISSION RATES FOR CRITERIA POLLUTANTS

AIID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Logistics II															
EQT 0177 5050-06	12.35	12.35	54.09	2.27	2.27	9.94	0.25	0.25	1.09	2.54	2.54	11.12	2.39	2.39	25.99
EQT 0178 5052-06	23.36	158.36	102.33	4.29	29.10	18.81	0.47	3.19	2.06	0.03	0.07	0.11	8.87	122.26	38.87
EQT 0180 9-84	40.28	3097.46	176.44	7.40	569.26	32.43	0.81	62.37	3.55	0.35	21.31	1.52	16.50	1075.28	72.25
EQT 0181 1086-95														0.56	2.47
EQT 0182 1260-95														0.14	0.61
EQT 0354 1-92														0.29	1.26
EQT 0355 2-92														0.59	2.58
EQT 0356 5061-09	0.27	0.27	1.18	0.69	0.69	3.03	0.03	0.11	0.02	0.02	0.09	0.77	0.77	3.37	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0153 1037-95	2,2,4-Trimethylpentane	<0.001		<0.01
	Benzene	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Methyl Tertiary Butyl Ether	0.001		<0.01
	Naphthalene	<0.001		<0.01
	Styrene	<0.001		<0.01
	Toluene	<0.001		<0.01
	Xylene (mixed isomers)	<0.001		<0.01
EQT 0154 1038-95	n-Hexane	<0.001		<0.01
	2,2,4-Trimethylpentane	<0.001		<0.01
	Benzene	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Methyl Tertiary Butyl Ether	0.001		<0.01
	Naphthalene	<0.001		<0.01
	Styrene	<0.001		<0.01
EQT 0155 1073-95	Xylene (mixed isomers)	<0.001		<0.01
	Benzene	0.15		0.66
	Ethyl benzene	0.05		0.21
	Naphthalene	0.002		0.01
	Polynuclear Aromatic Hydrocarbons	0.002		0.01
	Toluene	0.05		0.22
EQT 0156 1082-95	Xylene (mixed isomers)	0.07		0.29
	Benzene	0.001		<0.01
	Ethyl benzene	0.002		0.01
	Naphthalene	<0.001		<0.01
	Toluene	0.03		0.13
EQT 0157 1083-95	Xylene (mixed isomers)	0.02		0.09
	Benzene	0.001		<0.01
	Ethyl benzene	0.002		0.01
	Naphthalene	<0.001		<0.01
	Toluene	0.03		0.13
EQT 0158 1086-95	Xylene (mixed isomers)	0.02		0.09
	Benzene	0.01		0.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0158 1086-95	Ethyl benzene	0.01		0.04
	Naphthalene	0.001		<0.01
	Toluene	0.18		0.79
	Xylene (mixed isomers)	0.12		0.52
EQT 0159 1087-95	Benzene	0.005		0.02
	Ethyl benzene	0.01		0.03
	Naphthalene	<0.001		<0.01
	Toluene	0.14		0.59
	Xylene (mixed isomers)	0.09		0.39
EQT 0160 1089-95	Benzene	0.005		0.02
	Ethyl benzene	0.01		0.03
	Naphthalene	<0.001		<0.01
	Toluene	0.14		0.60
	Xylene (mixed isomers)	0.09		0.39
EQT 0161 1204-95	Ammonia	<0.001		<0.01
	Benzene	0.02		0.07
	Cresol	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Methyl ethyl ketone	<0.001		<0.01
	Naphthalene	<0.001		<0.01
	Phenol	<0.001		<0.01
	Toluene	0.003		0.01
	Xylene (mixed isomers)	0.003		0.02
	n-Hexane	0.01		0.05
EQT 0162 1213-95	1,3-Butadiene	.005		0.02
	2,2,4-Trimethylpentane	<0.001		<0.01
	Acetonitrile	<0.001		<0.01
	Ammonia	0.01		0.03
	Benzene	0.02		0.08
	Cumene	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Hydrogen sulfide	0.01		0.06
	Methyl Tertiary Butyl Ether	<0.001		<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0162 1213-95	Naphthalene	<0.001		<0.01
	Styrene	<0.001		<0.01
	Toluene	0.01		0.03
	Xylene (mixed isomers)	0.001		<0.01
	n-Hexane	0.004		0.02
EQT 0163 1231-95	1-Methylnaphthalene	<0.001		<0.01
	2,2,4-Trimethylpentane	0.002		0.01
	2-Methylnaphthalene	<0.001		<0.01
	Benzene	0.03		0.11
	Ethyl benzene	0.03		0.13
	Methyl Tertiary Butyl Ether	0.01		0.04
	Naphthalene	0.002		0.01
	Styrene	0.01		0.02
	Toluene	0.11		0.47
	Xylene (mixed isomers)	0.07		0.29
EQT 0164 1232-95	n-Hexane	0.24		1.05
	1-Methylnaphthalene	<0.001		<0.01
	2,2,4-Trimethylpentane	0.002		0.01
	2-Methylnaphthalene	<0.001		<0.01
	Benzene	0.02		0.10
	Ethyl benzene	0.03		0.13
	Methyl Tertiary Butyl Ether	0.01		0.03
	Naphthalene	0.002		0.01
	Styrene	0.01		0.02
	Toluene	0.11		0.46
EQT 0165 1256-95	Xylene (mixed isomers)	0.07		0.29
	n-Hexane	0.21		0.94
	Benzene	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Naphthalene	<0.001		<0.01
EQT 0166 1257-95	Toluene	0.01		0.03
	Xylene (mixed isomers)	0.005		0.02
EQT 0166 1257-95	Benzene	<0.001		<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0166 1257-95	Ethyl benzene	<0.001		<0.01
	Naphthalene	<0.001		<0.01
	Toluene	0.01		0.03
	Xylene (mixed isomers)	0.005		0.02
EQT 0167 1258-95	Benzene	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Naphthalene	<0.001		<0.01
	Toluene	0.001		<0.01
	Xylene (mixed isomers)	0.001		<0.01
EQT 0168 1259-95	Benzene	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Naphthalene	<0.001		<0.01
	Toluene	0.01		0.05
	Xylene (mixed isomers)	0.01		0.05
	n-Hexane	<0.001		<0.01
EQT 0169 1265-95	Ammonia	<0.001		<0.01
	Benzene	0.02		0.09
	Cresol	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Methyl ethyl ketone	<0.001		<0.01
	Naphthalene	<0.001		<0.01
	Phenol	<0.001		<0.01
	Toluene	0.02		0.07
	Xylene (mixed isomers)	0.01		0.04
EQT 0170 1-94	n-Hexane	0.01		0.06
	Sulfuric acid	0.07	0.14	0.02
EQT 0171 3302-95	2,2,4-Trimethylpentane	0.002	0.02	0.01
	Benzene	0.002	0.03	0.01
	Ethyl benzene	<0.001	0.005	<0.01
	Methyl Tertiary Butyl Ether	0.01	0.09	0.04
	Naphthalene	<0.001	<0.001	<0.01
	Styrene	<0.001	<0.001	<0.01
	Toluene	0.003	0.03	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0171 3302-95	Xylene (mixed isomers)	<0.001	0.01	<0.01
	n-Hexane	0.01	0.06	0.02
EQT 0172 3307-95	Benzene	0.21	16.13	0.94
	Ethyl benzene	0.04	2.00	0.16
	Hydrogen sulfide	<0.001	0.05	<0.01
	Naphthalene	0.02	2.58	0.07
	Polynuclear Aromatic Hydrocarbons	0.01	0.68	0.03
	Toluene	0.23	10.05	1.00
	Xylene (mixed isomers)	0.08	3.73	0.34
	n-Hexane	0.42	15.97	1.83
EQT 0173 5023-02	Benzene	0.001	0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Naphthalene	0.01	0.01	0.03
	Toluene	<0.001	<0.001	<0.01
	Xylene (mixed isomers)	0.002	0.002	0.01
EQT 0174 5045-02	1,3-Butadiene	<0.001	<0.001	<0.001
	Acetaldehyde	0.01	0.01	<0.01
	Acrolein	<0.001	<0.001	<0.001
	Benzene	0.01	0.01	<0.01
	Formaldehyde	0.01	0.01	<0.01
	Naphthalene	<0.001	<0.001	<0.001
	Polynuclear Aromatic Hydrocarbons	0.002	0.002	<0.001
	Toluene	0.004	0.004	<0.01
EQT 0175 5046-06	Xylene (mixed isomers)	0.003	0.003	0.01
	1,3-Butadiene	0.003		0.01
	2,2,4-Trimethylpentane	<0.001		<0.01
	Acetonitrile	<0.001		<0.01
	Ammonia	0.004		0.02
	Benzene	0.01		0.05
	Cumene	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Hydrogen sulfide	0.01		0.04
	Methyl Tertiary Butyl Ether	<0.001		<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0175 5046-06	Naphthalene	<0.001		<0.01
	Polynuclear Aromatic Hydrocarbons	<0.001		<0.001
	Styrene	<0.001		<0.01
	Toluene	0.004		0.02
	Xylene (mixed isomers)	<0.001		<0.01
	n-Hexane	0.003		0.01
EQT 0177 5050-06	2,2,4-Trimethylpentane	0.01		0.03
	Benzene	0.01		0.02
	Ethyl benzene	0.01		0.05
	Methyl Tertiary Butyl Ether	0.01		0.04
	Naphthalene	0.06		0.25
	Polynuclear Aromatic Hydrocarbons	0.03		0.14
	Styrene	<0.001		<0.01
	Toluene	0.04		0.15
	Xylene (mixed isomers)	0.05		0.21
EQT 0178 5052-06	n-Hexane	0.01		0.03
	1,3-Butadiene	0.06	0.06	0.25
	Benzene	0.14	0.14	0.60
	Methanol	<0.001	<0.001	<0.01
	Methyl Tertiary Butyl Ether	<0.001	<0.001	<0.01
	Styrene	<0.001	<0.001	<0.01
	Toluene	0.005	0.01	0.02
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
EQT 0179 5-89 A&B	n-Hexane	<0.001	<0.001	<0.01
	1,3-Butadiene	0.08	1.62	0.36
	2,2,4-Trimethylpentane	0.02	0.82	0.08
	Benzene	0.52	6.67	2.27
	Biphenyl	<0.001	<0.001	<0.01
	Cresol	<0.001	<0.001	<0.01
	Cumene	<0.001	0.01	<0.01
	Ethyl benzene	0.01	0.14	0.03
	Methanol	<0.001	0.01	<0.01
	Methyl Tertiary Butyl Ether	0.27	27.78	1.18

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0179 5-89 A&B	Naphthalene	<0.001	0.02	<0.01
	Polynuclear Aromatic Hydrocarbons	<0.001	<0.001	<0.001
	Styrene	0.002	0.04	0.01
	Toluene	0.08	2.00	0.36
	Xylene (mixed isomers)	0.02	0.61	0.08
	n-Hexane	0.13	2.77	0.58
EQT 0180 9-84	1,3-Butadiene	0.21	9.00	0.91
	Benzene	0.05	6.80	0.20
	Ethyl benzene	<0.001	0.11	<0.01
	Methanol	0.003	2.00	0.01
	Methyl Tertiary Butyl Ether	<0.001	<0.001	<0.01
	Naphthalene	<0.001	0.01	<0.01
	Styrene	0.002	0.87	0.01
	Toluene	0.01	1.85	0.04
	Xylene (mixed isomers)	0.003	1.03	0.01
EQT 0181 1088-95	n-Hexane	0.01	0.76	0.02
	Benzene	0.005		0.02
	Ethyl benzene	0.01		0.03
	Naphthalene	<0.001		<0.01
	Toluene	0.14		0.60
EQT 0182 1260-95	Xylene (mixed isomers)	0.09		0.39
	Benzene	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Naphthalene	<0.001		<0.01
	Toluene	0.01		0.05
	Xylene (mixed isomers)	0.01		0.05
EQT 0354 1-92	n-Hexane	<0.001		<0.01
	Benzene	0.002		0.01
	Ethyl benzene	<0.001		<0.01
	Naphthalene	<0.001		<0.01
	Toluene	0.001		<0.01
	Xylene (mixed isomers)	0.002		0.01
	n-Hexane	0.01		0.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0355 2-92	Benzene	0.003		0.01
	Ethyl benzene	<0.001		<0.01
	Naphthalene	<0.001		<0.01
	Toluene	0.002		0.01
	Xylene (mixed isomers)	0.003		0.01
	n-Hexane	0.01		0.06
UNF 0004 LGSTC II	1,3-Butadiene			1.55
	1-Methylnaphthalene			<0.01
	2,2,4-Trimethylpentane			0.14
	2-Methylnaphthalene			<0.01
	Acetaldehyde			0.01
	Acetonitrile			<0.01
	Acrolein			<0.001
	Ammonia			0.05
	Benzene			5.29
	Biphenyl			<0.01
	Cresol			<0.01
	Cumene			<0.01
	Ethyl benzene			0.87
	Formaldehyde			<0.01
	Hydrogen sulfide			0.10
	Methanol			0.01
	Methyl Tertiary Butyl Ether			1.34
	Methyl ethyl ketone			<0.01
	Naphthalene			0.40
	Phenol			<0.01
	Polynuclear Aromatic Hydrocarbons			0.05
	Styrene			0.07
	Sulfuric acid			0.23
	Toluene			5.87
	Xylene (mixed isomers)			3.62
	n-Hexane			4.70

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0153 1037-95 - Tank F-410 Horizontal

- 1 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
- 2 [LAC 33:III.2103.J] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 3 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 4 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0154 1038-95 - Tank F-411 Horizontal

- 5 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
- 6 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 7 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 8 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0155 1073-95 - Tank F-492 Fixed Roof

- 9 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 10 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 11 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0156 1082-95 - Tank W-427 Fixed Roof

- 12 [40 CFR 61.342(e)] Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]

SPECIFIC REQUIREMENTS

AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0156 1082-95 - Tank W-427 Fixed Roof

- 13 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
 Group 1 (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a), 40 CFR 63.654(a)]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0157 1083-95 - Tank W-428 Fixed Roof

- 16 [40 CFR 61.342(c)] Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(c)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
 Group 1 (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a), 40 CFR 63.654(a)]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0158 1086-95 - Tank W-406 Fixed Roof

- 20 [40 CFR 61.342(e)] Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
 Group 1 (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a)]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0159 1087-95 - Tank W-410 Fixed Roof

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0159 1087-95 - Tank W-410 Fixed Roof

- 24 [40 CFR 61.342(e)] Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 25 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 26 [40 CFR 63.647(a)] Group I (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a)]
- 27 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0160 1089-95 - Tank W-412 Fixed Roof

- 28 [40 CFR 61.342(e)] Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 29 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 30 [40 CFR 63.647(a)] Group I (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a)]
- 31 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0161 1204-95 - Tank F-462 External Floating Roof

- 32 [40 CFR 60.1126(a)(2)(ii)] Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof legs supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.1126(a)(2)(ii)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

EQT 0161 1204-95 - Tank F-462 External Floating Roof

- 33 [40 CFR 60.1126(a)(2)] Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.1126(a)(2)]
- Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113(b)(4). Subpart Kb. [40 CFR 60.113(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113(b)(4)(i)(A)]
- There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
- Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap area <= 212 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113(b)(2)(iii). Subpart Kb. [40 CFR 60.113(b)(4)(ii)(A)]
- Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap area <= 21.2 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0161 1204-95 - Tank F-462 External Floating Roof

- 45 [40 CFR 60.113(b)(4)] Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
- 46 [40 CFR 60.113(b)(5)] Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
- If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- 47 [40 CFR 60.113(b)(6)(ii)] Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings; each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]
- Which Month(s): All Year Statistical Basis: None specified
- 48 [40 CFR 60.113(b)(6)]
- Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- 49 [40 CFR 60.113(b)(6)]
- Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- 50 [40 CFR 60.115b(b)(1)] Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- 51 [40 CFR 60.115b(b)(2)]
- Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
- 52 [40 CFR 60.115b(b)(3)] Compliance with all the applicable requirements of NSPS, 40 CFR 60.112b(a)(2) is considered compliance with all the applicable requirements of NESHAP, 40 CFR 61. Subpart FF. [40 CFR 61.343(a), 40 CFR 61.351(a)(2)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(k), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 53 [40 CFR 60.115b(b)(4)] Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]
- 54 [40 CFR 61.343(a)] Group 1 (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a), 40 CFR 63.654(a)]
- 55 [40 CFR 61.356]
- 56 [40 CFR 61.357(f)]
- 57 [40 CFR 63.647(a)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0161 1204-95 - Tank F-462 External Floating Roof

- 58 [LAC 33:III.2.103.B] Equip with a submerged fill pipe.
- 59 [LAC 33:III.2.103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 60 [LAC 33:III.2.103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 61 [LAC 33:III.2.103.D.2.c] Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 62 [LAC 33:III.2.103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 63 [LAC 33:III.2.103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 64 [LAC 33:III.2.103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 65 [LAC 33:III.2.103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Primary seal: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- 66 [LAC 33:III.2.103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 67 [LAC 33:III.2.103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 68 [LAC 33:III.2.103.D.3] Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 69 [LAC 33:III.2.103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off or landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof/leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 70 [LAC 33:III.2.103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 71 [LAC 33:III.2.103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 72 [LAC 33:III.2.103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 73 [LAC 33:III.2.103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

SPECIFIC REQUIREMENTS

AID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

EQT 0161 1204-95 - Tank F-462 External Floating Roof

74 [LAC 33:III.2|03.1] Equipment/operational data recordkeeping by electronic or hard copy at the regulations specified frequency. Keep records of the information specified in LAC 33:III.2|03.1 - 7, as applicable.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0162 1213-95 - Tank F-501 External Floating Roof

76 [40 CFR 60.112b(a)(2)(xi)] Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(iii)]

77 [40 CFR 60.112b(a)(2)] Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
 Which Months: All Year Statistical Basis: None specified

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
 Which Months: All Year Statistical Basis: None specified

Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)] There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

EQT 0161 1204-95 - Tank F-462 External Floating Roof

74 [LAC 33:III.2|03.1]

75 [LAC 33:III.5|09.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0162 1213-95 - Tank F-501 External Floating Roof

76 [40 CFR 60.112b(a)(2)(xi)]

77 [40 CFR 60.112b(a)(2)]

78 [40 CFR 60.113b(b)(1)(i)]

79 [40 CFR 60.113b(b)(1)(ii)]

80 [40 CFR 60.113b(b)(3)]

81 [40 CFR 60.113b(b)(4)(i)(A)]

82 [40 CFR 60.113b(b)(4)(i)(B)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0162 1213-95 - Tank F-501 External Floating Roof

- 83 [40 CFR 60.113(b)(4)(i)] Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- 84 [40 CFR 60.113b(b)(4)(i)] Which Months: All Year Statistical Basis: None specified Seal gap area <= 21.2 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- 85 [40 CFR 60.113b(b)(4)(ii)(A)] Which Months: All Year Statistical Basis: None specified Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]
- 86 [40 CFR 60.113b(b)(4)(ii)(B)] Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 87 [40 CFR 60.113b(b)(4)(ii)(B)] Which Months: All Year Statistical Basis: None specified Seal gap area <= 21.2 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 88 [40 CFR 60.113b(b)(4)(ii)(C)] Which Months: All Year Statistical Basis: None specified There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]
- 89 [40 CFR 60.113b(b)(4)] Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]
- 90 [40 CFR 60.113b(b)(5)] Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]
- 91 [40 CFR 60.113b(b)(6)(i)] If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]
- 92 [40 CFR 60.113b(b)(6)(ii)] Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing, including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
- 93 [40 CFR 60.113b(b)(6)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
- 94 [40 CFR 60.115b(b)(1)] Which Months: All Year Statistical Basis: None specified Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- 95 [40 CFR 60.115b(b)(2)] Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0162 1213-95 - Tank F-501 External Floating Roof

- 96 [40 CFR 60.115(b)(3)] Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]
- 97 [40 CFR 60.115(b)(4)] Submit a report. Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(4)]
- 98 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(k), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 99 [40 CFR 61.357(f)] Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]
- 100 [40 CFR 63.647(a)] Group I (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a), 40 CFR 63.654(a)]
- 101 [LAC 33:III.5.109 A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0163 1231-95 - Tank F-477 External Floating Roof

- 102 [40 CFR 63.119(a)(1)] Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- 103 [40 CFR 63.119(c)(1)] External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]
- 104 [40 CFR 63.119(c)(2)] External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xii). Subpart G. [40 CFR 63.119(c)(2)]
- 105 [40 CFR 63.119(c)] External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]
- 106 [40 CFR 63.120(b)(10)] Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
- Which Months: All Year Statistical Basis: None specified
- Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0163 1231-95 - Tank F-477 External Floating Roof

- 108 [40 CFR 63.120(b)(1)] Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]
 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]
 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
 Equip with a submerged fill pipe.
 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
 Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0163 1231-95 - Tank F-477 External Floating Roof

Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.

Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.

Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.

Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0164 1232-95 - Tank F-478 External Floating Roof

Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]

External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xi). Subpart G. [40 CFR 63.119(c)(2)]

External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]

Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]

SPECIFIC REQUIREMENTS

AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

EQT 0164 1232-95 - Tank F-478 External Floating Roof

- Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G.
- [40 CFR 63.120(b)(10)]
 Which Months: All Year Statistical Basis: None specified
 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(v). Subpart G. [40 CFR 63.120(b)(1)]
 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]
 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G.
 [40 CFR 63.122(a)(4)]
 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
 Equip with a submerged fill pipe.
 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
 Seal gap area <= 1 in²/2 ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in²/2 ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0164 1232-95 - Tank F-478 External Floating Roof**

Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.

Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.

Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.

Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0165 1256-95 - Tank D-413 Internal Floating Roof

Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]

Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]

Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]

SPECIFIC REQUIREMENTS

AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

EQT 0165 1256-95 - Tank D-413 Internal Floating Roof

166 [40 CFR 60.113b(a)(1)]
 Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
 Subpart Kb. [40 CFR 60.113b(a)(1)]

167 [40 CFR 60.113b(a)(1)]
 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]

Which Months: All Year Statistical Basis: None specified

Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]

Which Months: All Year Statistical Basis: None specified

If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.113b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]
 Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 60.113b(a)(4). Subpart Kb. [40 CFR 60.113b(a)(3)(i)]

Which Months: All Year Statistical Basis: None specified

Tank roof and seals monitored by visual inspection/determination annually as specified in 40 CFR 60.113b(a)(2). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]

Which Months: All Year Statistical Basis: None specified

Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0165 1256-95 - Tank D-413 Internal Floating Roof

If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

Submit a report. Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

Submit a report. Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

Submit a report. Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)] Compliance with all the applicable requirements of 40 CFR 60.112b(a)(1) is considered compliance with all the applicable requirements of 40 CFR 60.692-3(d). Subpart QQ. [40 CFR 60.692-3(d)] Compliance with all the applicable requirements of NSPS, 40 CFR 60.112b(a)(1)(ii)(C) and 112b(a)(1)(iii) thru (ix) is considered compliance with all the applicable requirements of NESHAP, 40 CFR 61. Subpart FF. [40 CFR 61.343(a), 40 CFR 61.351 (a)(1)] Benzene. Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356, 40 CFR 60.357] Group I (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a), 40 CFR 63.654(a)] Equip with a submerged fill pipe.

TPORD0147

Page 15 of 85

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0165 1256-95 - Tank D-413 Internal Floating Roof

Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.

Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Determine compliance with LAC 33:III.2|03.D.2 using the methods in LAC 33:III.2|03.H.1.

Equipment/operational data recordkeeping by electronic or hard copy at the regulations specified frequency. Keep records of the information specified in LAC 33:III.2|03.I.1 - 7, as applicable.

Equip with a container having all openings sealed and totally enclosed liquid contents. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Equip with a container furnished with a floating roof. Floating roof shall consist of a pontoon type, double deck type roof, or internal floating cover which rests or floats on the surface of the contents and is equipped with a closure seal or seals to close the space between the roof edge and container wall. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Equipment/operational data recordkeeping by electronic or hard copy at the regulations specified frequency. Keep records of the information specified in LAC 33:III.2|09.D.1 and 3.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0166 1257-95 - Tank D-422 Internal Floating Roof

Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)]

Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]

Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]

184 [LAC 33:III.2|03.C.2]

186 [LAC 33:III.2|03.H.1]

187 [LAC 33:III.2|03.J.]

188 [LAC 33:III.2|09.A.1]

189 [LAC 33:III.2|09.A.2]

190 [LAC 33:III.2|09.D.]

191 [LAC 33:III.5|09.A.]

192 [40 CFR 60.112b(a)(1)(ii)]

193 [40 CFR 60.112b(a)(1)(ii)(A)]

194 [40 CFR 60.112b(a)(1)(ii)(B)]

195 [40 CFR 60.112b(a)(1)(ii)(C)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0166 1257-95 - Tank D-422 Internal Floating Roof

- 196 [40 CFR 60.112b(a)(1)] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]
- 197 [40 CFR 60.113b(a)(1)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]
- 198 [40 CFR 60.113b(a)(2)] Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 60.113b(a)(4). Subpart Kb. [40 CFR 60.113b(a)(3)(i)]
- 199 [40 CFR 60.113b(a)(2)] Which Months: All Year Statistical Basis: None specified
- Tank roof and seals monitored by visual inspection/determination annually as specified in 40 CFR 60.113b(a)(2). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]
- 200 [40 CFR 60.113b(a)(3)(iii)] Which Months: All Year Statistical Basis: None specified
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
- 201 [40 CFR 60.113b(a)(3)(iv)] Which Months: All Year Statistical Basis: None specified
- 202 [40 CFR 60.113b(a)(4)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

EQT 0166 1257-95 - Tank D-422 Internal Floating Roof

If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal, or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

Inspection records/recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]

Compliance with all the applicable requirements of 40 CFR 60.112b(a)(1) thru (ix) is considered compliance with all the applicable requirements of 40 CFR 60.692-3(d). Subpart QQ. [40 CFR 60.692-3(d)]

Compliance with all the applicable requirements of NSPS, 40 CFR 60.112b(a)(1)(ii)(C) and 112b(a)(1)(iii) thru (ix) is considered compliance with all the applicable requirements of NESHAP, 40 CFR 61, Subpart FF. Subpart FF. [40 CFR 61.343(a), 40 CFR 61.351(a)(1)]

Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356, 40 CFR 60.357]

Group 1 (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a), 40 CFR 63.654(a)]

Equip with a submerged fill pipe.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0166 1257-95 - Tank D-422 Internal Floating Roof

Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.

Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Determine compliance with LAC 33:III.2|03.H.1. Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|03.D.2 using the methods in LAC 33:III.2|03.H.1.

Equip with a container having all openings sealed and totally enclosed liquid contents. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Equip with a container furnished with a floating roof. Floating roof shall consist of a pontoon type, double deck type roof, or internal floating cover which rests or floats on the surface of the contents and is equipped with a closure seal or seals to close the space between the roof edge and container wall. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|09.D.1 and 3. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0167 1258-95 - Tank W-409 Internal Floating Roof

Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]

Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]

Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0167 1258-95 - Tank W-409 Internal Floating Roof

226 [40 CFR 60.112b(a)(1)]

Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vent is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

227 [40 CFR 60.113b(a)(1)]

Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]

Which Months: All Year Statistical Basis: None specified

If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days.

If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]

Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]

Which Months: All Year Statistical Basis: None specified
 Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 60.113b(a)(4). Subpart Kb. [40 CFR 60.113b(a)(3)(i)]

Which Months: All Year Statistical Basis: None specified
 Tank roof and seals monitored by visual inspection/determination annually as specified in 40 CFR 60.113b(a)(2). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]

Which Months: All Year Statistical Basis: None specified

TPOR0147

Page 20 of 85

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0167 1258-95 - Tank W409 Internal Floating Roof

- 232 [40 CFR 60.113b(a)(4)] If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]

Which Months: All Year Statistical Basis: None specified

- Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing, including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]
- Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

- Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

- Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]
- Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356, 40 CFR 60.357]
- Group I (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 61.647(a), 40 CFR 61.654(a)]
- Equip with a submerged fill pipe.

234 [40 CFR 60.113b(a)(5)]

235 [40 CFR 60.115b(a)(1)]

236 [40 CFR 60.115b(a)(2)]

237 [40 CFR 60.115b(a)(3)]

238 [40 CFR 60.115b(a)(4)]

239 [40 CFR 61.356]

240 [40 CFR 61.647(a)]

241 [LAC 33.III.2103.B]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0167 1258-95 - Tank W-409 Internal Floating Roof

- Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.
- Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- Determine compliance with LAC 33:III.2:103.D.2 using the methods in LAC 33:III.2:103.H.1.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2:103.I.1 - 7, as applicable.
- Equip with a container having all openings sealed and totally enclosed liquid contents. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- Equip with a container furnished with a floating roof. Floating roof shall consist of a pontoon type, double deck type roof, or internal floating cover which rests or floats on the surface of the contents and is equipped with a closure seal or seals to close the space between the roof edge and container wall. All gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2:109.D.1 and 3.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
-
- EQT 0168 1259-95 - Tank W-437 Internal Floating Roof**
- Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356, 40 CFR 60.357]
- Group I (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a), 40 CFR 63.654(a)]
- Equip with a submerged fill pipe.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2:103.I.1 - 7, as applicable.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
-
- EQT 0169 1265-95 - Tank F-476 External Floating Roof**

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0169 1265-95 - Tank F-476 External Floating Roof

256 [40 CFR 60.112b(a)(2)(ii)]

Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(iii)]

257 [40 CFR 60.112b(a)(2)]

Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

258 [40 CFR 60.113b(b)(1)(i)]

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]

Which Months: All Year Statistical Basis: None specified

259 [40 CFR 60.113b(b)(1)(ii)]

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)] Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified

Seal gap area <= 212 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified

Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT_0169 1265-95 - Tank F-476 External Floating Roof

- Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]
- Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4)(i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
- Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
- If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with V.O.L. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]
- Which Months: All Year Statistical Basis: None specified
- Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b)(4). The report will identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

SPECIFIC REQUIREMENTS

All ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0169 1265-95 - Tank F-476 External Floating Roof

- 278 [40 CFR 60.116(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)(b)]
- 279 [40 CFR 60.116(b)(c)] VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116(b)(c)]
- 280 [40 CFR 60.116(b)(d)] Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116(b)(d)]
- 281 [40 CFR 60.116(b)(f)(1)] Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116(b)(e). Subpart Kb. [40 CFR 60.116(b)(f)(1)]
- 282 [40 CFR 60.116(b)(f)(2)] Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116(b)(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116(b)(f)(2)]
- 283 [40 CFR 61.343(a)] Which Months: All Year Statistical Basis: None specified Compliance with all the applicable requirements of NSPS, 40 CFR 60.112b(a)(2) is considered compliance with all the applicable requirements of NESHAP, 40 CFR 61. Subpart FF. Subpart FF. [40 CFR 61.343(a), 40 CFR 61.351(a)(2)]
- 284 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(k), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356, 40 CFR 61.357]
- 285 [40 CFR 61.357(f)] Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]
- 286 [40 CFR 63.647(a)] Group 1 (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a), 40 CFR 63.654(a)]
- 287 [LAC 33:III.2|03.B] Equip with a submerged fill pipe.
- 288 [LAC 33:III.2|03.D.2.a] Seal closure devices required in LAC 33:III.2|03.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 289 [LAC 33:III.2|03.D.2.b] Seal closure devices required in LAC 33:III.2|03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 290 [LAC 33:III.2|03.D.2.c] Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 291 [LAC 33:III.2|03.D.2.d] Which Months: All Year Statistical Basis: None specified Seal gap area <= 10 in^2/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 292 [LAC 33:III.2|03.D.2.e] Which Months: All Year Statistical Basis: None specified Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 293 [LAC 33:III.2|03.D.2.e] Which Months: All Year Statistical Basis: None specified Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0169 1265-95 - Tank F-476 External Floating Roof

- Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off or landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- Equip with an external floating roof consisting of a pontoon type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0170 1-94 - Vent from Wharf Acid Scrubber (PV-49)

- pH <= 7 s.u. Shall monitor and maintain pH less than the limit in this specific condition. The scrubbing media shall be replaced if the pH is greater than seven.
 Which Months: All Year Statistical Basis: None specified
- Emits Class III pollutant. No further controls are required under LAC 33:III.5109.A. Shall comply with all other applicable provisions of LAC 33:III.Chapter 51.

EQT 0171 3302-95 - Loading-Garage (Uncontrolled)

- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0172 3307-95 - Loading-Wharf (Uncontrolled)

308 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT). MACT has determined to be no controls.

EQT 0173 50223-02 - Storm Water Impoundment Basin System

309 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0174 5045-02 - Storm Water Impoundment Basin Diesel Pumps

- Pumps P-3100 and 3102: The Compression Ignition Internal Combustion Engine shall have been manufactured before July 11, 2005. NSPS, 40 CFR 60, Subpart III [40 CFR 60.4200(a)]. [40 CFR 60.4200(a)]
 Pump 3110: Comply with the emission standards for new CI engines in 40 CFR 60.4201, as applicable. Subpart III. [40 CFR 60.4204(b)]
 Pump 3110: Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart III.
 Pump 3110: Beginning October 1, 2007, use diesel fuel that meets the requirements of 40 CFR 80.510(a). Subpart III. [40 CFR 60.4207(a)]
 Pump 3110: Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart III.
 [40 CFR 60.4207(b)]
 Pump 3110: Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart III. [40 CFR 60.4211(c)]
 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
 Which Months: All Year Statistical Basis: None specified
 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized.

316 [LAC 33:III.1105]

317 [LAC 33:III.1107]

EQT 0175 5046-06 - Tank F-517 External Floating Roof

- Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.1126(a)(2)(iii)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

EQT 0175 5046-06 - Tank F-517 External Floating Roof

Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)] Seal gap area <= 21.2 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified
Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified
Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]

Which Months: All Year Statistical Basis: None specified
Seal gap area <= 21.2 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]

Which Months: All Year Statistical Basis: None specified
There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]
Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0175 5046-06 - Tank F-517 External Floating Roof

- 332 [40 CFR 60.113b(b)(6)(ii)] Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
- 333 [40 CFR 60.113b(b)(6)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
- 334 [40 CFR 60.115b(b)(1)] Which Months: All Year Statistical Basis: None specified Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- 335 [40 CFR 60.115b(b)(2)] Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- 336 [40 CFR 60.115b(b)(3)] Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- 337 [40 CFR 60.115b(b)(4)] Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
- 338 [40 CFR 60.116b(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 339 [40 CFR 60.692-3(d)] Compliance with all the applicable requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.351(a)(2)]
- 340 [40 CFR 61.351(a)(2)] CFR 60.692-3(d). Subpart QQ. [40 CFR 60.692-3(d)]
- 341 [40 CFR 61.356] Install and operate an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2). Subpart FF. [40 CFR 61.356(k), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 342 [40 CFR 61.357(f)] Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0175 5046-06 - Tank F-517 External Floating Roof

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

- . [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
 - Equip with a submerged fill pipe.
 - Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
 - Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
 - Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 - Which Months: All Year Statistical Basis: None specified
Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 - Which Months: All Year Statistical Basis: None specified
Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
 - Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 - Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
 - Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 - Which Months: All Year Statistical Basis: None specified
Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 - Which Months: All Year Statistical Basis: None specified
Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
 - Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off or landed on the roof/leg supports. Set rim vents to open when the roof is being floated off the roof/leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
 - Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0175 5046-06 - Tank F-517 External Floating Roof**

Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.

Determine compliance with LAC 33:III.2|03.D.1 using the methods in LAC 33:III.2|03.H.1.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|03.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|03.I.1 - 7, as applicable.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0177 5050-06 - Tank Cleaning

362 [LAC 33:III.501.C.6]

Permittee shall show compliance with the emission limits, from the tank cleaning operations, of this permit by maintaining the total overall calculated VOC emissions, Emission Point 5050-06(CAP), based on the number of tanks taken out for cleaning operations to no more than a total of 22.15 tons per year. The records of the tanks taken out for cleaning operations with associated emissions shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions based on the number of tanks taken out for cleaning operations above the maximum listed in this specific condition shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the total overall calculated VOC emissions as referenced above shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

EQT 0178 5052-06 - WOGF Startup/Shutdown Emissions

363 [LAC 33:III.501.C.6]

Permittee shall show compliance with the emission limits, as specified in this specific condition, from the Flare, Emission 5052-06, due to the maintenance, startup and shutdown activities at the plant when the emissions are routed to this flare. The permittee shall calculate the emissions based on each activity as referenced above. The total emissions shall not exceed for each pollutant, PM10, 1.09 tons per year (TPY); SO2, 11.12 TPY; NOx, 9.94 TPY; CO, 54.09 TPY; VOC, 10.45 TPY (speciated). All the activities as referenced above shall be recorded along with the corresponding calculated emissions for each month, as well as the total calculated emissions based on the activities for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The total calculated emissions based on the activities above the maximum listed in this permit as referenced above for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the activities and corresponding total calculated emissions for the last twelve months shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

EQT 0179 5-89 A&B - Marine Vapor Recovery Stacks

364 [40 CFR 60.104(a)(1)]

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

SPECIFIC REQUIREMENTS

AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

EQT 0179 5-89 A&B - Marine Vapor Recovery Stacks

- 365 [40 CFR 60.106(a)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]. Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 366 [40 CFR 60.106] Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)] Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)] Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- 367 [40 CFR 60.18(c)(1)] Which Months: All Year Statistical Basis: None specified Exit Velocity \geq 60 and $<$ 400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(ii)]
- 368 [40 CFR 60.18(c)(2)] Which Months: All Year Statistical Basis: None specified Exit Velocity $<$ 65.62 ft/sec (Vmax). Determine Vmax using the method specified in 40 CFR 60.18(f)(6). Subpart A. [40 CFR 60.18(c)(5)]
- 369 [40 CFR 60.18(c)(3)(ii)] Which Months: All Year Statistical Basis: None specified Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 370 [40 CFR 60.18(c)(4)(iii)] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- 371 [40 CFR 60.18(c)(5)] Which Months: All Year Statistical Basis: None specified Benzene \geq 98 % reduction by weight. Subpart BB. [40 CFR 61.302(b)]
- 372 [40 CFR 60.18(d)] Which Months: All Year Statistical Basis: None specified Operate in accordance with 40 CFR 60.18(b) through (f). Subpart BB. [40 CFR 61.302(c)]
- 373 [40 CFR 60.18(e)] Presence of a flame monitored by heat sensing device during loading of benzene. Install the heat sensing device at the pilot light to indicate the presence of a flame during the entire loading cycle. Subpart BB. [40 CFR 61.303(b)]
- 374 [40 CFR 60.18(f)(2)] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep an up-to-date, readily accessible record of the data specified in 40 CFR 61.305(a)(2) measured during each performance test, continuous records of the flare pilot flame monitoring measured continuously during the loading cycle, duration of all loading cycles and records of all loading cycles during which the pilot flame is absent for each vent stream. Also include this data in the report of the initial performance test required under 40 CFR 61.13. Shall submit quarterly reports as per the requirements of 40 CFR 61.305(f). Subpart BB. [40 CFR 61.305(a)(2), 40 CFR 61.305(f)]
- 375 [40 CFR 61.302(b)] Presence of a flame recordkeeping by electronic or hard copy during loading. Keep up-to-date, readily accessible records of the flare pilot flame monitoring specified under 40 CFR 61.303(b), as well as up-to-date, readily accessible records of any absence of the pilot flame during a loading cycle. Subpart BB. [40 CFR 61.305(e)]
- 376 [40 CFR 61.302(c)] Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(3)]
- 377 [40 CFR 61.303(b)] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(1)]
- 378 [40 CFR 61.305(a)(2)]
- 379 [40 CFR 61.305(e)]
- 380 [40 CFR 63.11(b)(1)]
- 381 [40 CFR 63.11(b)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

EQT 0179 5-89 A&B - Marine Vapor Recovery Stacks

- 382 [40 CFR 63.11(b)(4)] Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]
- 383 [40 CFR 63.11(b)(5)] Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]
- 384 [40 CFR 63.11(b)(5)] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)].
- 385 [40 CFR 63.11(b)(6)(i)(B)] Which Months: All Year Statistical Basis: None specified Determine the actual exit velocity using the method specified in 40 CFR 63.11(b)(7)(i). Subpart A. [40 CFR 63.11(b)(6)(i)(B)]
- 386 [40 CFR 63.562(b)(3)] HAP >= 98 % reduction by weight from marine tank vessel loading operations, as determined using methods in 40 CFR 63.565 (d) and (l).
- 387 [40 CFR 63.567(d)] Subpart Y. [40 CFR 63.562(b)(3)] Which Months: All Year Statistical Basis: None specified Report the opacity results and other information required by 40 CFR 63.565(e) and 40 CFR 63.11 with the notification of compliance status.
- 388 [40 CFR 64.] Subpart Y. [40 CFR 63.567(d)] Compliance with all the applicable requirements of NSPS, 40 CFR 60.18 and NESHAP, 40 CFR 63.11 has been determined to be compliance with the requirements of 40 CFR 64 - Compliance Assurance Monitoring (CAM). [40 CFR 64, 40 CFR 60.104(a)(1), 40 CFR 63.560, LAC 33:III.2.108.A]
- 389 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 390 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.
- 391 [LAC 33:III.1105] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
- 392 [LAC 33:III.1107] Which Months: All Year Statistical Basis: None specified Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1.105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized.
- 393 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 394 [LAC 33:III.1513] Which Months: All Year Statistical Basis: Six-minute average Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.1.105. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 395 [LAC 33:III.2108.C.1] Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20090010
 Permit Number: 2912-V2
 Air - Title V Regular Permit Minor Mod

EQT 0179 5-89 A&B - Marine Vapor Recovery Stacks

- 396 [LAC 33:II.2108.C.2] VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
 Which Months: All Year Statistical Basis: None specified
 Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified
 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified
 Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified
 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified
 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
 Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable.
 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
 Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
 Emissions from Berth 1 and 2 (sources A-3039, 3041 thru 3048, 3051 thru 3055, 3057, 3058, 4520, and 4538) controlled marine loading emissions are routed to this flare.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- EQT 0180 9-84 - West Ops Ground Flare (FG-201)**
- 409 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
 Which Months: All Year Statistical Basis: Three-hour rolling average
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(e)(1)]
 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20090010
Permit Number: 2912-V2
Air - Title V Regular Permit Minor Mod

EQT 0180 9-84 - West Ops Ground Flare (FG-201)

- 414 [40 CFR 60.18(c)(3)(iii)] Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
 Which Months: All Year Statistical Basis: None specified
 Exit Velocity $<$ 65.62 ft/sec (V_{max}). Determine V_{max} using the method specified in 40 CFR 60.18(f)(6). Subpart A. [40 CFR 60.18(c)(5)]
 Which Months: All Year Statistical Basis: None specified
 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
 Which Months: All Year Statistical Basis: None specified
 Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]
 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]
 Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]
 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]
 Which Months: All Year Statistical Basis: None specified
 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]
 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
 Which Months: All Year Statistical Basis: None specified
 HAP \geq 98 % reduction by weight from marine tank vessel loading operations, as determined using methods in 40 CFR 63.565 (d) and (1). Subpart Y. [40 CFR 63.562(b)(3)]
 Which Months: All Year Statistical Basis: None specified
 Compliance with all the applicable requirements of NSPS, 40 CFR 60.18 and NESMAP, 40 CFR 63.11 has been determined to be compliance with the requirements of 40 CFR 64 - Compliance Assurance Monitoring (CAM). [40 CFR 64, 40 CFR 60.104(a)(1), 40 CFR 63.560, LAC 33:III.2|08.A]
 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.
 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0180 9-84 - West Ops Ground Flare (FG-201)**

429 [LAC 33:III.1107]

Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized.

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

VOC Total $\geq 90\%$ reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified

Nonhalogenated hydrocarbon burning: Temperature $\geq 1600\text{ F}$ (870 degrees C) for 0.5 seconds or greater in a direct-flame afterburner or thermal incinerator. Other devices will be accepted provided 98 percent or greater VOC destruction or removal efficiency can be demonstrated, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 20 ppm by volume, whichever is less stringent.

Which Months: All Year Statistical Basis: None specified

Halogenated hydrocarbons, total $\geq 95\%$ removal efficiency as determined in accordance with LAC 33:III.2115.G. If combusted, reduce the halogenated products of combustion to an emission level acceptable to DEQ.

Which Months: All Year Statistical Basis: None specified

Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate.

Demonstrate compliance with LAC 33:III.2115 as requested by DEQ.

Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e.

Equipment/compliance data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to

representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
Emission from Island No. 1 thru 3 and Track No. 3 thru 5 (sources A-4522, 4525 thru 4533, 4536 thru 4555, and 5655) and controlled tank car/tank truck loading emissions are routed to this West Ops Ground Flare FG-201, Emission Point 9-84 or to West Ops Elevated Flare FE-601, Emission Point 5-84 (permitted in another permit).
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0181 1088-95 - Tank W-411 Fixed Roof

Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d).

The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-VZ****Air - Title V Regular Permit Minor Mod****EQT 0181 1088-95 - Tank W-411 Fixed Roof**

- 441 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 442 [40 CFR 63.647(a)] Group 1 (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a)] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0182 1260-95 - Tank W-438 Internal Floating Roof

- 445 [40 CFR 61.342(e)] Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(e) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 446 [40 CFR 61.356] Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356, 40 CFR 60.357]
- 447 [40 CFR 63.647(a)] Group 1 (Wastewater): Shall comply with the requirements of Subpart FF, 40 CFR 61.340 thru 61.355 (as applicable). Subpart CC. [40 CFR 63.647(a), 40 CFR 63.654(a)]
- 448 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
- 449 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2.03.1 - 7, as applicable.
- 450 [LAC 33:III.5.109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0262 A-3039 - Berth 1

- 451 [40 CFR 63.562(c)(3)] VOC, Total > 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]
- 452 [40 CFR 63.562(e)] Which Months: All Year Statistical Basis: None specified
- Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]
- Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]
- Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0262 A-3039 - Berth 1**

- 455 [40 CFR 63.651(a)] Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
- 456 [40 CFR 63.654(c)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]
- 457 [LAC 33:III.2|08.C.1] Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- 458 [LAC 33:III.2|08.C.2] VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- 459 [LAC 33:III.2|08.C.3.a] Which Months: All Year Statistical Basis: None specified Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
- 460 [LAC 33:III.2|08.C.3.b] Which Months: All Year Statistical Basis: None specified Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- 461 [LAC 33:III.2|08.C.3.c] Which Months: All Year Statistical Basis: None specified Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- 462 [LAC 33:III.2|08.C.3.d] Which Months: All Year Statistical Basis: None specified Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).
- 463 [LAC 33:III.2|08.C.5] Which Months: All Year Statistical Basis: None specified Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- 464 [LAC 33:III.2|08.C.6] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- 465 [LAC 33:III.2|08.E] Determine compliance with LAC 33:III.2|08.C.3 using the methods in LAC 33:III.2|08.E.1-5, as appropriate.
- 466 [LAC 33:III.2|08.F.1] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2|08.E.
- 467 [LAC 33:III.2|08.F.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|08.F.2.a-e, as applicable.
- 468 [LAC 33:III.2|08.G.1] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- 469 [LAC 33:III.2|08.G.2] Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- 470 [LAC 33:III.2|08.G.3] Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- 471 [LAC 33:III.5|09.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- EQT 0263 A-3041 - Berth 1**
- 472 [40 CFR 63.562(c)(3)] VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (f). Subpart Y. [40 CFR 63.562(c)(3)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0263 A-3041 - Berth 1**

- 473 [40 CFR 63.562(e)] Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]
- 474 [40 CFR 63.563(a)] Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]
- 475 [40 CFR 63.563(b)] Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]
- 476 [40 CFR 63.651(a)] Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
- 477 [40 CFR 63.654(c)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y.
- 478 [LAC 33:III.2:108.C.1] Subpart CC. [40 CFR 63.654(c)]
- 479 [LAC 33:III.2:108.C.2] Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- 480 [LAC 33:III.2:108.C.3.a] Which Months: All Year Statistical Basis: None specified
- 481 [LAC 33:III.2:108.C.3.b] Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
- 482 [LAC 33:III.2:108.C.3.c] Which Months: All Year Statistical Basis: None specified
- 483 [LAC 33:III.2:108.C.3.d] Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- 484 [LAC 33:III.2:108.C.5] Which Months: All Year Statistical Basis: None specified
- 485 [LAC 33:III.2:108.C.6] Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- 486 [LAC 33:III.2:108.E] Which Months: All Year Statistical Basis: None specified
- 487 [LAC 33:III.2:108.F.1] Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- 488 [LAC 33:III.2:108.F.2] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- 489 [LAC 33:III.2:108.G.1] Determine compliance with LAC 33:III.2:108.C.3 using the methods in LAC 33:III.2:108.E.1-5, as appropriate.
- 490 [LAC 33:III.2:108.G.2] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2:108.E.
- 491 [LAC 33:III.2:108.G.3] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2:108.F.2.a-e, as applicable.
- 492 [LAC 33:III.5.109.A] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0264 A-3042 - Berth 1**

493. [40 CFR 63.562(c)(3)]

VOC, Total $\geq 98\%$ reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]

Which Months: All Year Statistical Basis: None specified

Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y [40 CFR 63.562(e)]

Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]

Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y [40 CFR 63.563(b)]

Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (l) of 40 CFR 63 Subpart Y.

Subpart CC. [40 CFR 63.654(c)]

Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. VOC, Total $\geq 90\%$ reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified

Barge loading of gasoline: Total Organic Compounds (TOC) $\leq 70 \text{ mg/l}$ of VOC loaded (0.6 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of gasoline: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 12 \text{ mg/l}$ of VOC loaded (0.1 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.

Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2.108.E.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2.108.F.2.a-e, as applicable.

Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.

Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

EQT 0264 A-3042 - Berth 1

512 [LAC 33:III.2108.G.3]

513 [LAC 33:III.5109.A]

EQT 0265 A-3043 - Berth 1

514 [40 CFR 63.562(c)(3)]

515 [40 CFR 63.562(e)]

516 [40 CFR 63.563(a)]

517 [40 CFR 63.563(b)]

518 [40 CFR 63.651(a)]

519 [40 CFR 63.654(c)]

520 [LAC 33:III.2108.C.1]

521 [LAC 33:III.2108.C.2]

522 [LAC 33:III.2108.C.3.a]

523 [LAC 33:III.2108.C.3.b]

524 [LAC 33:III.2108.C.3.c]

525 [LAC 33:III.2108.C.3.d]

526 [LAC 33:III.2108.C.5]

Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

VOC, Total $\geq 98\%$ reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]

Which Months: All Year Statistical Basis: None specified

Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]

Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]

Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]

Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y.

Subpart CC. [40 CFR 63.654(c)]

Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.

VOC, Total $\geq 90\%$ reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified

Barge loading of gasoline: Total Organic Compounds (TOC) $\leq 70 \text{ mg/l}$ of VOC loaded (0.6 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of gasoline: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 12 \text{ mg/l}$ of VOC loaded (0.1 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.

Determine compliance with LAC 33:III.2108.E.1-5, as appropriate.

Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2108.E.

SPECIFIC REQUIREMENTS**A IID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0265 A-3043 - Berth 1**

530 [LAC 33:III.2108.F.2]

531 [LAC 33:III.2108.G.1]
532 [LAC 33:III.2108.G.2]

533 [LAC 33:III.2108.G.3]

534 [LAC 33:III.5109.A]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable.
 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.

Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0266 A-3044 - Berth 1

535 [40 CFR 63.562(c)(3)]

536 [40 CFR 63.562(e)]

537 [40 CFR 63.563(a)]
538 [40 CFR 63.563(b)]539 [40 CFR 63.651(a)]
540 [40 CFR 63.654(c)]541 [LAC 33:III.2108.C.1]
542 [LAC 33:III.2108.C.2]

543 [LAC 33:III.2108.C.3.a]

544 [LAC 33:III.2108.C.3.b]

545 [LAC 33:III.2108.C.3.c]

546 [LAC 33:III.2108.C.3.d]

VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]
 Which Months: All Year Statistical Basis: None specified
 Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]
 Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]
 Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]
 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]
 Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
 Which Months: All Year Statistical Basis: None specified
 Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified
 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified
 Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified
 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

EQT 0266 A-3044 - Berth 1

- 547 [LAC 33:III.2.108.C.5] Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- 548 [LAC 33:III.2.108.C.6] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- 549 [LAC 33:III.2.108.E] Determine compliance with LAC 33:III.2.108.C.3 using the methods in LAC 33:III.2.108.E. 1-5, as appropriate.
- 550 [LAC 33:III.2.108.F.1] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2.108.E.
- 551 [LAC 33:III.2.108.F.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2.108.F.2.a-e, as applicable.
- 552 [LAC 33:III.2.108.G.1] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- 553 [LAC 33:III.2.108.G.2] Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- 554 [LAC 33:III.2.108.G.3] Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- 555 [LAC 33:III.5.109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0267 A-3045 - Berth 1

- 556 [40 CFR 63.562(c)(3)] VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]
- 557 [40 CFR 63.562(e)] Which Months: All Year Statistical Basis: None specified
- Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(c)]
- 558 [40 CFR 63.563(a)] Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]
- 559 [40 CFR 63.563(b)] Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]
- 63.651(a)] Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
- 560 [40 CFR 63.651(a)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y.
- 561 [40 CFR 63.654(c)] Subpart CC. [40 CFR 63.654(c)]
- 562 [LAC 33:III.2.108.C.1] Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- 563 [LAC 33:III.2.108.C.2] Which Months: All Year Statistical Basis: None specified
- Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
- 564 [LAC 33:III.2.108.C.3.a] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0267 A-3045 - Berth 1**

565 [LAC 33:III.2108.C.3.b] Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

566 [LAC 33:III.2108.C.3.c] Which Months: All Year Statistical Basis: None specified

Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

567 [LAC 33:III.2108.C.3.d] Which Months: All Year Statistical Basis: None specified

Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).

568 [LAC 33:III.2108.C.5] Which Months: All Year Statistical Basis: None specified

Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

569 [LAC 33:III.2108.C.6] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.

570 [LAC 33:III.2108.E] Determine compliance with LAC 33:III.2108.E using the methods in LAC 33:III.2108.E..1-5, as appropriate.

571 [LAC 33:III.2108.F.1] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2108.E.

572 [LAC 33:III.2108.F.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable.

573 [LAC 33:III.2108.G.1] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.

574 [LAC 33:III.2108.G.2] Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.

575 [LAC 33:III.2108.G.3] Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

576 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0268 A-3046 - Berth 1

577 [40 CFR 63.562(c)(3)] VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]

578 [40 CFR 63.562(e)] Which Months: All Year Statistical Basis: None specified

Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]

Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR

63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]

Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]

581 [40 CFR 63.651(a)] Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR

63.651(a)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

EQT 0268 A-3046 - Berth 1

583 [LAC 33:III.2.108.C.1]
 584 [LAC 33:III.2.108.C.2]

585 [LAC 33:III.2.108.C.3.a]

586 [LAC 33:III.2.108.C.3.b]

587 [LAC 33:III.2.108.C.3.c]

588 [LAC 33:III.2.108.C.3.d]

589 [LAC 33:III.2.108.C.5]

590 [LAC 33:III.2.108.C.6]

591 [LAC 33:III.2.108.E]

592 [LAC 33:III.2.108.F.1]

593 [LAC 33:III.2.108.F.2]

594 [LAC 33:III.2.108.G.1]

595 [LAC 33:III.2.108.G.2]

596 [LAC 33:III.2.108.G.3]

597 [LAC 33:III.5.109.A]

Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.

VOC, Total $\geq 90\%$ reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified

Barge loading of gasoline: Total Organic Compounds (TOC) $\leq 70 \text{ mg/l}$ of VOC loaded (0.6 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of gasoline: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 12 \text{ mg/l}$ of VOC loaded (0.1 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.

Determine compliance with LAC 33:III.2.108.C.3 using the methods in LAC 33:III.2.108.E.1-5, as appropriate.

Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2.108.E.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2.108.F.2.a-e, as applicable.

Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.

Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.

Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0269 A-3047 - Berth 1A

598 [40 CFR 63.562(c)(3)]

599 [40 CFR 63.562(e)]

600 [40 CFR 63.563(a)]

VOC, Total $\geq 98\%$ reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y [40 CFR 63.562(c)(3)]

Which Months: All Year Statistical Basis: None specified

Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y [40 CFR 63.562(e)]

Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y [40 CFR 63.563(a)]

SPECIFIC REQUIREMENTS**AID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0269 A-3047 - Berth 1A**

- 601 [40 CFR 63.563(b)] Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y [40 CFR 63.563(b)]
- 602 [40 CFR 63.651(a)] Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
- 603 [40 CFR 63.654(c)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y.
- 604 [LAC 33:III.2:108.C.1] Subpart CC. [40 CFR 63.654(c)]
- 605 [LAC 33:III.2:108.C.2] Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- 606 [LAC 33:III.2:108.C.3.a] Which Months: All Year Statistical Basis: None specified VOC, Total $\geq 90\%$ reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- 607 [LAC 33:III.2:108.C.3.b] Barge loading of gasoline: Total Organic Compounds (TOC) $\leq 70\text{ mg/l}$ of VOC loaded (0.6 lb/1000 gal).
- 608 [LAC 33:III.2:108.C.3.c] Which Months: All Year Statistical Basis: None specified Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 30\text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).
- 609 [LAC 33:III.2:108.C.3.d] Ship loading of gasoline: Total Organic Compounds (TOC) $\leq 30\text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).
- 610 [LAC 33:III.2:108.C.5] Which Months: All Year Statistical Basis: None specified Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 12\text{ mg/l}$ of VOC loaded (0.1 lb/1000 gal).
- 611 [LAC 33:III.2:108.C.6] Load only into ships and/or barges equipped with vapor collection system.
- 612 [LAC 33:III.2:108.E] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- 613 [LAC 33:III.2:108.F.1] Determine compliance with LAC 33:III.2:108.E using the methods in LAC 33:III.2:108.E.1-5, as appropriate.
- 614 [LAC 33:III.2:108.F.2] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2:108.E.
- 615 [LAC 33:III.2:108.G.1] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2:108.F.2.a-e, as applicable.
- 616 [LAC 33:III.2:108.G.2] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- 617 [LAC 33:III.2:108.G.3] Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- 618 [LAC 33:III.5:109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0270 A-3048 - Berth 1A

SPECIFIC REQUIREMENTS

AID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

EQT0270 A-3048 - Berth 1A

- 619 [40 CFR 63.562(c)(3)] VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y [40 CFR 63.562(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y [40 CFR 63.562(e)]
- Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y [40 CFR 63.563(a)]
- Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y [40 CFR 63.563(b)]
- Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
- Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y.
- Subpart CC. [40 CFR 63.654(c)]
- Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- 625 [LAC 33:III.2108.C.1] VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- 626 [LAC 33:III.2108.C.2] Which Months: All Year Statistical Basis: None specified
- 627 [LAC 33:III.2108.C.3.a] Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
- 628 [LAC 33:III.2108.C.3.b] Which Months: All Year Statistical Basis: None specified
- Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- 629 [LAC 33:III.2108.C.3.c] Which Months: All Year Statistical Basis: None specified
- Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- 630 [LAC 33:III.2108.C.3.d] Which Months: All Year Statistical Basis: None specified
- Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).
- 631 [LAC 33:III.2108.C.5] Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- 632 [LAC 33:III.2108.C.6] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- 633 [LAC 33:III.2108.E] Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate.
- 634 [LAC 33:III.2108.F.1] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2108.E.
- 635 [LAC 33:III.2108.F.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable.
- 636 [LAC 33:III.2108.G.1] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shutoff when disconnected.
- 637 [LAC 33:III.2108.G.2] Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0270 A-3048 - Berth 1A**

638 [LAC 33:III.2108.G.3]

639 [LAC 33:III.5109.A]

Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0271 A-3051 - Berth 1A

640 [40 CFR 63.562(c)(3)]

641 [40 CFR 63.562(e)]

642 [40 CFR 63.563(a)]

643 [40 CFR 63.563(b)]

644 [40 CFR 63.551(a)]

645 [40 CFR 63.654(c)]

646 [LAC 33:III.2108.C.1]

647 [LAC 33:III.2108.C.2]

648 [LAC 33:III.2108.C.3.a]

649 [LAC 33:III.2108.C.3.b]

650 [LAC 33:III.2108.C.3.c]

651 [LAC 33:III.2108.C.3.d]

VOC, Total $\geq 98\%$ reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]

Which Months: All Year Statistical Basis: None specified

Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]

Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]

Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]

Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.551(b) through (d). Subpart CC. [40 CFR 63.551(a)]

Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.554(c)]

Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. VOC, Total $\geq 90\%$ reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified

Barge loading of gasoline: Total Organic Compounds (TOC) $\leq 70 \text{ mg/l}$ of VOC loaded (0.6 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of gasoline: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 12 \text{ mg/l}$ of VOC loaded (0.1 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.

Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate.

Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2108.E.

SPECIFIC REQUIREMENTS**AID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0271 A-3051 - Berth 1A**

- 656 [LAC 33:III.2.108.F.2]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2.108.F.2.a-e, as applicable.
- 657 [LAC 33:III.2.108.G.1]
 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- 658 [LAC 33:III.2.108.G.2]
 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- 659 [LAC 33:III.2.108.G.3]
 Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- 660 [LAC 33:III.5.109.A]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0272 A-3052 - Berth 2

- 661 [40 CFR 63.562(c)(3)]
 VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- 662 [40 CFR 63.562(e)]
 Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]
- 663 [40 CFR 63.563(a)]
 Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]
- 664 [40 CFR 63.563(b)]
 Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]
- 665 [40 CFR 63.651(a)]
 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
- 666 [40 CFR 63.654(c)]
 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]
- 667 [LAC 33:III.2.108.C.1]
 Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- 668 [LAC 33:III.2.108.C.2]
 VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- Which Months: All Year Statistical Basis: None specified
- 669 [LAC 33:III.2.108.C.3.a]
 Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- 670 [LAC 33:III.2.108.C.3.b]
 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- 671 [LAC 33:III.2.108.C.3.c]
 Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- 672 [LAC 33:III.2.108.C.3.d]
 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912.v2****Air - Title V Regular Permit Minor Mod****EQT 0272 A-3052 - Berth 2**

- 673 [LAC 33:III.2|08.C.5] Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- 674 [LAC 33:III.2|08.C.6] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- 675 [LAC 33:III.2|08.E] Determine compliance with LAC 33:III.2|08.C.3 using the methods in LAC 33:III.2|08.E.1-5, as appropriate.
- 676 [LAC 33:III.2|08.F.1] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2|08.E.
- 677 [LAC 33:III.2|08.F.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|08.F.2.a-e, as applicable.
- 678 [LAC 33:III.2|08.G.1] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- 679 [LAC 33:III.2|08.G.2] Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- 680 [LAC 33:III.2|08.G.3] Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- 681 [LAC 33:III.5|09.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0273 A-3053 - Berth 2

- 682 [40 CFR 63.562(c)(3)] VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (f). Subpart Y. [40 CFR 63.562(c)(3)]
- 683 [40 CFR 63.562(e)] Which Months: All Year Statistical Basis: None specified
- Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]
- 684 [40 CFR 63.563(a)] Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]
- 685 [40 CFR 63.563(b)] Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]
- 686 [40 CFR 63.651(a)] Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
- 687 [40 CFR 63.654(c)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]
- 688 [LAC 33:III.2|08.C.1] Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- 689 [LAC 33:III.2|08.C.2] Which Months: All Year Statistical Basis: None specified
- Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).
- 690 [LAC 33:III.2|08.C.3.a] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0273 A-3053 - Berth 2**

691 [LAC 33:III:2108.C.3.b] Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified

692 [LAC 33:III:2108.C.3.c] Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

693 [LAC 33:III:2108.C.3.d] Which Months: All Year Statistical Basis: None specified
 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).

694 [LAC 33:III:2108.C.5] Which Months: All Year Statistical Basis: None specified
 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

695 [LAC 33:III:2108.C.6] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.

696 [LAC 33:III:2108.E] Determine compliance with LAC 33:III:2108.C.3 using the methods in LAC 33:III:2108.E.1-5, as appropriate.

697 [LAC 33:III:2108.F.1] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III:2108.E.

698 [LAC 33:III:2108.F.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III:2108.F.2.a-e, as applicable.

699 [LAC 33:III:2108.G.1] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.

700 [LAC 33:III:2108.G.2] Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.

701 [LAC 33:III:2108.G.3] Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

702 [LAC 33:III:5.109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0274 A-3054 - Berth 2

703 [40 CFR 63.562(c)(3)] VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y [40 CFR 63.562(c)(3)]

704 [40 CFR 63.562(e)] Which Months: All Year Statistical Basis: None specified

705 [40 CFR 63.563(a)] Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y [40 CFR 63.562(e)]

Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y [40 CFR 63.563(a)]

Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y [40 CFR 63.563(b)]

706 [40 CFR 63.563(b)] Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

708 [40 CFR 63.654(c)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0274 A-3054 - Berth 2**

- 709 [LAC 33:III.2|08.C.1]
710 [LAC 33:III.2|08.C.2]
- 711 [LAC 33:III.2|08.C.3.a]
712 [LAC 33:III.2|08.C.3.b]
- 713 [LAC 33:III.2|08.C.3.c]
714 [LAC 33:III.2|08.C.3.d]
- 715 [LAC 33:III.2|08.C.5]
- 716 [LAC 33:III.2|08.C.6]
717 [LAC 33:III.2|08.E]
718 [LAC 33:III.2|08.F.1]
- 719 [LAC 33:III.2|08.F.2]
- 720 [LAC 33:III.2|08.G.1]
721 [LAC 33:III.2|08.G.2]
- 722 [LAC 33:III.2|08.G.3]
723 [LAC 33:III.5|09.A]
- EQT 0275 A-3055 - Berth 2**
- 724 [40 CFR 63.562(c)(3)]
725 [40 CFR 63.562(e)]
726 [40 CFR 63.563(a)]
- Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. VOC, Total $\geq 90\%$ reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- Which Months: All Year Statistical Basis: None specified
- Barge loading of gasoline: Total Organic Compounds (TOC) $\leq 70 \text{ mg/l}$ of VOC loaded (0.6 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Ship loading of gasoline: Total Organic Compounds (TOC) $\leq 30 \text{ mg/l}$ of VOC loaded (0.25 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) $\leq 12 \text{ mg/l}$ of VOC loaded (0.1 lb/1000 gal).
- Which Months: All Year Statistical Basis: None specified
- Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- Determine compliance with LAC 33:III.2|08.C.3 using the methods in LAC 33:III.2|08.E.1-5, as appropriate.
- Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2|08.E.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|08.F.2.a-c, as applicable.
- Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- Prevent spills or leaks during attachment or disconnection of fitting lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- VOC, Total $\geq 98\%$ reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (f). Subpart Y [40 CFR 63.562(c)(3)]
- Which Months: All Year Statistical Basis: None specified
- Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y [40 CFR 63.562(e)]
- Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y [40 CFR 63.563(a)]

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0275 A-3055 - Berth 2**

- 727 [40 CFR 63.563(b)] Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]
- 728 [40 CFR 63.651(a)] Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
- 729 [40 CFR 63.654(c)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]
- 730 [LAC 33:III:2108.C.1] Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- 731 [LAC 33:III:2108.C.1] VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- 732 [LAC 33:III:2108.C.3.a] Which Months: All Year Statistical Basis: None specified
- 733 [LAC 33:III:2108.C.3.b] Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/l 1000 gal).
- 734 [LAC 33:III:2108.C.3.c] Which Months: All Year Statistical Basis: None specified
- 735 [LAC 33:III:2108.C.3.d] Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/l 1000 gal).
- 736 [LAC 33:III:2108.C.5] Which Months: All Year Statistical Basis: None specified
- 737 [LAC 33:III:2108.C.6] Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/l 1000 gal).
- 738 [LAC 33:III:2108.E] Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- 739 [LAC 33:III:2108.F.1] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- 740 [LAC 33:III:2108.F.2] Determine compliance with LAC 33:III:2108.C.3 using the methods in LAC 33:III:2108.E 1-5, as appropriate.
- 741 [LAC 33:III:2108.G.1] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III:2108.E.
- 742 [LAC 33:III:2108.G.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III:2108.F.2.a-c, as applicable.
- 743 [LAC 33:III:2108.G.3] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- 744 [LAC 33:III:5.109.A] Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0276 A-3057 - Berth 2

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0276 A-3057 - Berth 2**

- 745 [40 CFR 63.562(c)(3)] VOC, Total \geq 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]
- 746 [40 CFR 63.562(e)] Which Months: All Year Statistical Basis: None specified Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]
- 747 [40 CFR 63.563(a)] Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]
- 748 [40 CFR 63.563(b)] Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]
- 749 [40 CFR 63.651(a)] Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart C.C. [40 CFR 63.651(a)]
- 750 [40 CFR 63.654(c)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y.
- 751 [LAC 33:III.2.108.C.1] Subpart C.C. [40 CFR 63.654(c)]
- 752 [LAC 33:III.2.108.C.2] Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
- 753 [LAC 33:III.2.108.C.3.a] VOC, Total \geq 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.
- 754 [LAC 33:III.2.108.C.3.b] Which Months: All Year Statistical Basis: None specified Barge loading of gasoline: Total Organic Compounds (TOC) \leq 70 mg/l of VOC loaded (0.6 lb/1000 gal).
- 755 [LAC 33:III.2.108.C.3.c] Which Months: All Year Statistical Basis: None specified Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) \leq 30 mg/l of VOC loaded (0.25 lb/1000 gal).
- 756 [LAC 33:III.2.108.C.3.d] Ship loading of gasoline: Total Organic Compounds (TOC) \leq 30 mg/l of VOC loaded (0.25 lb/1000 gal). Which Months: All Year Statistical Basis: None specified
- 757 [LAC 33:III.2.108.C.5] Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) \leq 12 mg/l of VOC loaded (0.1 lb/1000 gal). Which Months: All Year Statistical Basis: None specified Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.
- 758 [LAC 33:III.2.108.C.6] Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
- 759 [LAC 33:III.2.108.E] Determine compliance with LAC 33:III.2.108.C.3 using the methods in LAC 33:III.2.108.E.1-5, as appropriate.
- 760 [LAC 33:III.2.108.F.1] Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2.108.E.
- 761 [LAC 33:III.2.108.F.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2.108.F.2.a-e, as applicable.
- 762 [LAC 33:III.2.108.G.1] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- 763 [LAC 33:III.2.108.G.2] Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912.V2****Air - Title V Regular Permit Minor Mod****EQT 0276 A-3057 - Berth 2**

764 [LAC 33:III.2108.G.3]

765 [LAC 33:III.5109.A]

EQT 0277 A-3058 - Berth 2

766 [40 CFR 63.562(c)(3)]

Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

767 [40 CFR 63.562(e)]

Which Months: All Year Statistical Basis: None specified

Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]

Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]

Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]

Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y.

Subpart CC. [40 CFR 63.654(c)]

Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified

Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.

Determine compliance with LAC 33:III.2108.E.1-5, as appropriate.

Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2108.E.

SPECIFIC REQUIREMENTS**AID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0277 A-305B - Berth 2**

782 [LAC 33:III.2108.F.2]

783 [LAC 33:III.2108.G.1]

784 [LAC 33:III.2108.G.2]

785 [LAC 33:III.2108.G.3]

786 [LAC 33:III.5109.A]

787 [LAC 33:III.5113.B.6]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable.

Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.

Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.

Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0278 A-4520 - Berth 2

788 [40 CFR 63.562(c)(3)]

VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]

789 [40 CFR 63.562(e)]

Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]

790 [40 CFR 63.563(a)]

Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR

791 [40 CFR 63.563(a)]

63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]

Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1)

through (b)(10). Subpart Y. [40 CFR 63.563(b)]

Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR

792 [40 CFR 63.651(a)]

63.651(a)]

Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y.

Subpart CC. [40 CFR 63.654(c)]

Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading-

793 [40 CFR 63.654(c)]

VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified

Which Loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0278 A-4520 - Berth 2**

799 [LAC 33:III.2|08.C.3,d]

800 [LAC 33:III.2|08.C.5]

801 [LAC 33:III.2|08.C.6]

802 [LAC 33:III.2|08.E]

803 [LAC 33:III.2|08.F.1]

804 [LAC 33:III.2|08.F.2]

805 [LAC 33:III.2|08.G.1]

806 [LAC 33:III.2|08.G.2]

807 [LAC 33:III.2|08.G.3]

808 [LAC 33:III.5|09.A]

Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) \leq 12 mg/l of VOC loaded (0.1 lb/1000 gal).
 Which Months: All Year Statistical Basis: None specified
 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
 Determine compliance with LAC 33:III.2|08.C.3 using the methods in LAC 33:III.2|08.E.1-5, as appropriate.

Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2|08.E.

Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
 Determine compliance with LAC 33:III.2|08.C.3 using the methods in LAC 33:III.2|08.E.1-5, as appropriate.

Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2|08.E.

EQT 0279 A-4581 - Berth 1A

809 [LAC 33:III.2|08.C.1]

810 [LAC 33:III.2|08.C.2]

811 [LAC 33:III.2|08.C.3,a]

812 [LAC 33:III.2|08.C.3,b]

813 [LAC 33:III.2|08.C.3,c]

814 [LAC 33:III.2|08.C.3,d]

815 [LAC 33:III.2|08.C.5]

816 [LAC 33:III.2|08.C.6]

817 [LAC 33:III.2|08.E]

818 [LAC 33:III.2|08.F.1]

Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.
 VOC, Total \geq 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified
 Barge loading of gasoline: Total Organic Compounds (TOC) \leq 70 mg/l of VOC loaded (0.6 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified
 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) \leq 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified
 Ship loading of gasoline: Total Organic Compounds (TOC) \leq 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified
 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) \leq 12 mg/l of VOC loaded (0.1 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified
 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done.
 Determine compliance with LAC 33:III.2|08.C.3 using the methods in LAC 33:III.2|08.E.1-5, as appropriate.

Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2|08.E.

SPECIFIC REQUIREMENTS**AID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0279 A-4581 - Berth 1A**

- 819 [LAC 33:III.2|08.F.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|08.F.2.a-e, as applicable.
- 820 [LAC 33:III.2|08.G.1] Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected.
- 821 [LAC 33:III.2|08.G.2] Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere.
- 822 [LAC 33:III.2|08.G.3] Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order.
- 823 [LAC 33:III.5|09.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0280 A-4522 - Island 1

- 824 [40 CFR 63.650(a)] Comply with 40 CFR 63.421, 63.422 (a) through (c), 63.425 (a) through (e), 63.425 (e) through (h), 63.427 (a) and (b), and 63.428 (b), (c), (g)(1), and (h)(1) through (h)(3) of 40 CFR 63 Subpart R, except as specified in 40 CFR 63.650(b) and (c). Subpart CC. [40 CFR 63.650(a)]
- 825 [40 CFR 63.654(b)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.428 (b) and (c), (g)(1), and (h)(1) through (h)(3) of 40 CFR 63 Subpart R. Subpart CC. [40 CFR 63.654(b)]
- 826 [LAC 33:III.2|07.B] VOC, Total >= 90 % DRE, using a vapor disposal system.
- Which Months: All Year Statistical Basis: None specified
- 827 [LAC 33:III.2|07.B] Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 828 [LAC 33:III.2|07.C] Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 829 [LAC 33:III.2|07.C] Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|07.D.1 and 2.
- Determine compliance with LAC 33:III.2|07.D using the methods in LAC 33:III.2|07.E.1 through 5, as appropriate.
- 830 [LAC 33:III.2|07.D] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 831 [LAC 33:III.2|07.E] VOC, Total >= 90 % DRE, using a vapor disposal system.
- Which Months: All Year Statistical Basis: None specified
- Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 832 [LAC 33:III.5|09.A]

EQT 0281 A-4525 - Island 2

- 833 [LAC 33:III.2|07.B] VOC, Total >= 90 % DRE, using a vapor disposal system.
- Which Months: All Year Statistical Basis: None specified
- Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 834 [LAC 33:III.2|07.B]

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0281 A-4525 - Island 2**

- 835 [LAC 33:III.2107.C]
 Which Months: All Year Statistical Basis: None specified
 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 836 [LAC 33:III.2107.C]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 837 [LAC 33:III.2107.D]
 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0282 A-4526 - Island 2

- 839 [LAC 33:III.2107.B]
 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
 Which Months: All Year Statistical Basis: None specified
- 840 [LAC 33:III.2107.B]
 VOC, Total >= 90 % DRE, using a vapor disposal system.
- 841 [LAC 33:III.2107.C]
 Which Months: All Year Statistical Basis: None specified
 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 842 [LAC 33:III.2107.C]
 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 843 [LAC 33:III.2107.D]
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 844 [LAC 33:III.2107.E]
 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0283 A-4527 - Island 2

- 845 [LAC 33:III.2107.B]
 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 846 [LAC 33:III.2107.B]
 VOC, Total >= 90 % DRE, using a vapor disposal system.
- 847 [LAC 33:III.2107.C]
 Which Months: All Year Statistical Basis: None specified
 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 848 [LAC 33:III.2107.C]
 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 849 [LAC 33:III.2107.D]
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 850 [LAC 33:III.2107.E]
 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0284 A-4528 - Island 2**

851 [LAC 33:III.2107.B]

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

VOC, Total $\geq 90\%$ DRE, using a vapor disposal system.

Which Months: All Year Statistical Basis: None specified

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

Which Months: All Year Statistical Basis: None specified

Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information

specified in LAC 33:III.2107.D.1 and 2.

Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E. 1 through 5, as appropriate.

EQT 0285 A-4529 - Island 3

857 [LAC 33:III.2107.B]

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

VOC, Total $\geq 90\%$ DRE, using a vapor disposal system.

Which Months: All Year Statistical Basis: None specified

Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information

specified in LAC 33:III.2107.D.1 and 2.

Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E. 1 through 5, as appropriate.

EQT 0286 A-4530 - Island 3

863 [LAC 33:III.2107.B]

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

VOC, Total $\geq 90\%$ DRE, using a vapor disposal system.

Which Months: All Year Statistical Basis: None specified

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

Which Months: All Year Statistical Basis: None specified

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0286 A-4530 - Island 3**

- 866 [LAC 33:III.2|07.C]
Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 867 [LAC 33:III.2|07.D]
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|07.D.1 and 2.
- 868 [LAC 33:III.2|07.E]
Determine compliance with LAC 33:III.2|07.B using the methods in LAC 33:III.2|07.E.1 through 5, as appropriate.

EQT 0287 A-4531 - Island 3

- 869 [LAC 33:III.2|07.B]
VOC, Total >= 90 % DRE, using a vapor disposal system.
Which Months: All Year Statistical Basis: None specified
- 870 [LAC 33:III.2|07.B]
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 871 [LAC 33:III.2|07.C]
Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 872 [LAC 33:III.2|07.C]
VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 873 [LAC 33:III.2|07.D]
Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|07.D.1 and 2.
- 874 [LAC 33:III.2|07.E]
Determine compliance with LAC 33:III.2|07.B using the methods in LAC 33:III.2|07.E.1 through 5, as appropriate.

EQT 0288 A-4532 - Island 3

- 875 [LAC 33:III.2|07.B]
VOC, Total >= 90 % DRE, using a vapor disposal system.
Which Months: All Year Statistical Basis: None specified
- 876 [LAC 33:III.2|07.B]
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 877 [LAC 33:III.2|07.C]
Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 878 [LAC 33:III.2|07.C]
VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 879 [LAC 33:III.2|07.D]
Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|07.D.1 and 2.
- 880 [LAC 33:III.2|07.E]
Determine compliance with LAC 33:III.2|07.B using the methods in LAC 33:III.2|07.E.1 through 5, as appropriate.

EQT 0289 A-4533 - Island 3

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0289 A-4533 - Island 3**

881 [LAC 33:III.2107.B]

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

882 [LAC 33:III.2107.B]

VOC, Total >= 90 % DRE, using a vapor disposal system.

883 [LAC 33:III.2107.C]

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

884 [LAC 33:III.2107.C]

Which Months: All Year Statistical Basis: None specified

Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

885 [LAC 33:III.2107.D]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.

886 [LAC 33:III.2107.E]

Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0290 A-4536 - Track 3

887 [40 CFR 63.126(a)]

Equip with a vapor collection system and control device. Subpart G. [40 CFR 63.126(a)]

888 [40 CFR 63.126(b)(1)]

Organic HAP >= 98 % reduction by weight or exit concentration <= 20 ppmv, whichever is less stringent, using a control device. Subpart G. [40 CFR 63.126(b)(1)]

889 [40 CFR 63.126(b)(2)]

Which Months: All Year Statistical Basis: None specified

Reduce emissions of organic HAPs using a flare. Do not vent halogenated vent streams to the flare. Subpart G. [40 CFR 63.126(b)(2)]

890 [40 CFR 63.126(e)]

Lead organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars, or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.126(f). Subpart G. [40 CFR 63.126(e)]

891 [40 CFR 63.126(f)]

Lead organic HAPs to only tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer rack's vapor collection system. Subpart G. [40 CFR 63.126(f)]

892 [40 CFR 63.126(g)]

Lead organic HAPs to only tank trucks or railcars whose collection systems are connected to the transfer rack's vapor collection systems.

893 [40 CFR 63.126(h)]

Subpart G. [40 CFR 63.126(h)]

Ensure that no pressure-relief device in the transfer rack's vapor collection system or in the organic HAPs loading equipment of each tank truck or railcar shall begin to open during loading. Subpart G. [40 CFR 63.126(h)]

894 [40 CFR 63.130]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G.

895 [LAC 33:III.2107.B]

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

VOC, Total >= 90 % DRE, using a vapor disposal system.

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0290 A-4536 - Track 3**

- 897 [LAC 33:III:2107.C] Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 898 [LAC 33:III:2107.C] VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 899 [LAC 33:III:2107.D] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III:2107.D.1 and 2.
- 900 [LAC 33:III:2107.E] Determine compliance with LAC 33:III:2107.B using the methods in LAC 33:III:2107.E.1 through 5, as appropriate.
- 901 [LAC 33:III:5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0291 A-4537 - Track 3

- 902 [40 CFR 63.126(a)] Equip with a vapor collection system and control device. Subpart G. [40 CFR 63.126(a)]
- 903 [40 CFR 63.126(b)(1)] Organic HAP >= 98 % reduction by weight or exit concentration <= 20 ppmv, whichever is less stringent, using a control device. Subpart G. [40 CFR 63.126(b)(1)]
- 904 [40 CFR 63.126(b)(2)] Which Months: All Year Statistical Basis: None specified Reduce emissions of organic HAPs using a flare. Do not vent halogenated vent streams to the flare. Subpart G. [40 CFR 63.126(b)(2)]
- 905 [40 CFR 63.126(c)] CFR 63.126(b)(1)] Load organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars; or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.128(f). Subpart G. [40 CFR 63.126(e)]
- 906 [40 CFR 63.126(d)] Load organic HAPs to only tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer rack's vapor collection system. Subpart G. [40 CFR 63.126(f)]
- 907 [40 CFR 63.126(g)] Load organic HAPs to only tank trucks or railcars whose collection systems are connected to the transfer rack's vapor collection systems. Subpart G. [40 CFR 63.126(g)]
- 908 [40 CFR 63.126(h)] Ensure that no pressure-relief device in the transfer rack's vapor collection system or in the organic HAPs loading equipment of each tank truck or railcar shall begin to open during loading. Subpart G. [40 CFR 63.126(h)]
- 909 [40 CFR 63.130] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G.
- 910 [LAC 33:III:2107.B] Prevent spills during the attachment and disconnection of fitting lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 911 [LAC 33:III:2107.B] VOC, Total >= 90 % DRE, using a vapor disposal system.
- 912 [LAC 33:III:2107.C] Which Months: All Year Statistical Basis: None specified Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 913 [LAC 33:III:2107.C] VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-v2****Air - Title V Regular Permit Minor Mod****EQT 0291 A-4537 - Track 3**

914 [LAC 33:III.2|07.D]
 915 [LAC 33:III.2|07.E]
 916 [LAC 33:III.5|09.A]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|07.D.1 and 2. Determine compliance with LAC 33:III.2|07.B using the methods in LAC 33:III.2|07.E.1 through 5, as appropriate. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0292 A-4538 - Track 3

917 [40 CFR 63.126(a)]
 918 [40 CFR 63.126(b)(1)]
 919 [40 CFR 63.126(b)(2)]
 920 [40 CFR 63.126(e)]
 921 [40 CFR 63.126(f)]
 922 [40 CFR 63.126(g)]
 923 [40 CFR 63.130]
 924 [LAC 33:III.2|07.B]
 925 [LAC 33:III.2|07.B]
 926 [LAC 33:III.2|07.C]
 927 [LAC 33:III.2|07.C]
 928 [LAC 33:III.2|07.D]
 929 [LAC 33:III.2|07.E]
 930 [LAC 33:III.5|09.A]

Equip with a vapor collection system and control device. Subpart G. [40 CFR 63.126(a)] Organic HAP >= 98 % reduction by weight or exit concentration <= 20 ppmv, whichever is less stringent, using a control device. Subpart G. [40 CFR 63.126(b)(1)] Which Months: All Year Statistical Basis: None specified Reduce emissions of organic HAPs using a flare. Do not vent halogenated vent streams to the flare. Subpart G. [40 CFR 63.126(b)(2)] Load organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars, or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.128(f). Subpart G. [40 CFR 63.126(e)] Load organic HAPs to only tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer rack's vapor collection system. Subpart G. [40 CFR 63.126(f)] Load organic HAPs to only tank trucks or railcars whose collection systems are connected to the transfer rack's vapor collection systems. Subpart G. [40 CFR 63.126(g)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G. Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. VOC, Total >= 90 % DRE, using a vapor disposal system. Which Months: All Year Statistical Basis: None specified VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. Which Months: All Year Statistical Basis: None specified Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|07.D.1 and 2. Determine compliance with LAC 33:III.2|07.B using the methods in LAC 33:III.2|07.E.1 through 5, as appropriate. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

EQT 0292 A-4538 - Track 3

931 [LAC 33:III.5113.B.6]

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0293 A-4539 - Track 3

932 [LAC 33:III.2107.B]

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

VOC, Total >= 90 % DRE, using a vapor disposal system.

Which Months: All Year Statistical Basis: None specified

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

Which Months: All Year Statistical Basis: None specified

Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.

Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0294 A-4540 - Track 3

938 [LAC 33:III.2107.B]

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

VOC, Total >= 90 % DRE, using a vapor disposal system.

Which Months: All Year Statistical Basis: None specified

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

Which Months: All Year Statistical Basis: None specified

Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.

Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0295 A-4541 - Track 3

944 [LAC 33:III.2107.B]

VOC, Total >= 90 % DRE, using a vapor disposal system.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0295 A-4541 - Track 3**

945 [LAC 33:III.2107.B]

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

946 [LAC 33:III.2107.C]

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

Which Months: All Year Statistical Basis: None specified

Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

948 [LAC 33:III.2107.D]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.

949 [LAC 33:III.2107.E]

Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0296 A-4542 - Track 3

950 [LAC 33:III.2107.B]

VOC, Total >= 90 % DRE, using a vapor disposal system.

Which Months: All Year Statistical Basis: None specified

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

952 [LAC 33:III.2107.C]

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

Which Months: All Year Statistical Basis: None specified

Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

954 [LAC 33:III.2107.D]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.

Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0297 A-4543 - Track 4

956 [40 CFR 63.126(a)]

957 [40 CFR 63.126(b)(1)]

Equip with a vapor collection system and control device. Subpart G. [40 CFR 63.126(a)] Organic HAP >= 98 % reduction by weight or exit concentration <= 20 ppmv, whichever is less stringent, using a control device. Subpart G. [40 CFR 63.126(b)(1)]

Which Months: All Year Statistical Basis: None specified

Reduce emissions of organic HAPs using a flare. Do not vent halogenated vent streams to the flare. Subpart G. [40 CFR 63.126(b)(2)]

Load organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars; or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.128(f). Subpart G. [40 CFR 63.126(e)]

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0297 A-4543 - Track 4**

960 [40 CFR 63.126(f)] Load organic HAPs to only tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer rack's vapor collection system. Subpart G. [40 CFR 63.126(f)]

961 [40 CFR 63.126(g)] Load organic HAPs to only tank trucks or railcars whose collection systems are connected to the transfer rack's vapor collection systems.

Subpart G. [40 CFR 63.126(g)]

962 [40 CFR 63.126(h)] Ensure that no pressure-relief device in the transfer rack's vapor collection system or in the organic HAPs loading equipment of each tank truck or railcar shall begin to open during loading. Subpart G. [40 CFR 63.126(h)]

963 [40 CFR 63.130] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G.

964 [LAC 33:III.2107.B] VOC, Total >= 90 % DRE, using a vapor disposal system.

965 [LAC 33:III.2107.B] Which Months: All Year Statistical Basis: None specified

966 [LAC 33:III.2107.C] Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

967 [LAC 33:III.2107.C] Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

968 [LAC 33:III.2107.D] Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.

969 [LAC 33:III.2107.E] Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

970 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0298 A-4544 - Track 4

971 [40 CFR 63.126(a)] Equip with a vapor collection system and control device. Subpart G. [40 CFR 63.126(a)]

972 [40 CFR 63.126(b)(1)] Organic HAP >= 98 % reduction by weight or exit concentration <= 20 ppmv, whichever is less stringent, using a control device. Subpart G. [40 CFR 63.126(b)(1)]

973 [40 CFR 63.126(b)(2)] Which Months: All Year Statistical Basis: None specified

Reduce emissions of organic HAPs using a flare. Do not vent halogenated vent streams to the flare. Subpart G. [40 CFR 63.126(b)(2)]

974 [40 CFR 63.126(e)] Load organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of

Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars; or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.128(f). Subpart G. [40 CFR 63.126(e)]

975 [40 CFR 63.126(f)] Load organic HAPs to only tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer rack's vapor collection system. Subpart G. [40 CFR 63.126(f)]

976 [40 CFR 63.126(g)] Load organic HAPs to only tank trucks or railcars whose collection systems are connected to the transfer rack's vapor collection system. Subpart G. [40 CFR 63.126(g)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20090010

Permit Number: 2912-V2

Air - Title V Regular Permit Minor Mod

EQT 0298 A-4544 - Track 4

977 [40 CFR 63.126(h)]
 978 [40 CFR 63.130]
 979 [LAC 33:III.2107.B]

Ensure that no pressure-relief device in the transfer rack's vapor collection system or in the organic HAPs loading equipment of each tank truck or railcar shall begin to open during loading. Subpart G. [40 CFR 63.126(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G.

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

980 [LAC 33:III.2107.B]
 981 [LAC 33:III.2107.C]

VOC, Total >= 90 % DRE, using a vapor disposal system.
 Which Months: All Year Statistical Basis: None specified

VOC. Total monitored by visual, audible, and/or olfactory during loading or unloading to detect leaks.
 Which Months: All Year Statistical Basis: None specified

Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.

Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E. 1 through 5, as appropriate.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0299 A-4545 - Track 4

986 [40 CFR 63.126(a)]
 987 [40 CFR 63.126(b)(1)]

Equip with a vapor collection system and control device. Subpart G. [40 CFR 63.126(a)] Organic HAP >= 98 % reduction by weight or exit concentration <= 20 ppmv, whichever is less stringent, using a control device. Subpart G. [40 CFR 63.126(b)(1)]

Which Months: All Year Statistical Basis: None specified
 Reduces emissions of organic HAPs using a flare. Do not vent halogenated vent streams to the flare. Subpart G. [40 CFR 63.126(b)(2)]

Load organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars; or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.128(f). Subpart G. [40 CFR 63.126(e)]

Load organic HAPs to only tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer rack's vapor collection system. Subpart G. [40 CFR 63.126(f)] Load organic HAPs to only tank trucks or railcars whose collection systems are connected to the transfer rack's vapor collection systems. Subpart G. [40 CFR 63.126(g)]

Ensure that no pressure-relief device in the transfer rack's vapor collection system or in the organic HAPs loading equipment of each tank truck or railcar shall begin to open during loading. Subpart G. [40 CFR 63.126(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G.

SPECIFIC REQUIREMENTS**AID ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0299 A-4545 - Track 4**

- 994 [LAC 33:III.2|07.B]
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 995 [LAC 33:III.2|07.B]
VOC, Total >= 90 % DRE, using a vapor disposal system.
- 996 [LAC 33:III.2|07.C]
Which Months: All Year Statistical Basis: None specified
VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 997 [LAC 33:III.2|07.C]
Which Months: All Year Statistical Basis: None specified
Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 998 [LAC 33:III.2|07.D]
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|07.D.1 and 2.
- 999 [LAC 33:III.2|07.E]
Determine compliance with LAC 33:III.2|07.B using the methods in LAC 33:III.2|07.E. 1 through 5, as appropriate.
- 1000 [LAC 33:III.5|09.A]
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0300 A-4546 - Track 4

- 1001 [LAC 33:III.2|07.B]
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 1002 [LAC 33:III.2|07.B]
VOC, Total >= 90 % DRE, using a vapor disposal system.
- 1003 [LAC 33:III.2|07.C]
Which Months: All Year Statistical Basis: None specified
VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 1004 [LAC 33:III.2|07.C]
Which Months: All Year Statistical Basis: None specified
Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 1005 [LAC 33:III.2|07.D]
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|07.D.1 and 2.
- 1006 [LAC 33:III.2|07.E]
Determine compliance with LAC 33:III.2|07.B using the methods in LAC 33:III.2|07.E. 1 through 5, as appropriate.

EQT 0301 A-4547 - Track 4

- 1007 [LAC 33:III.2|07.B]
VOC, Total >= 90 % DRE, using a vapor disposal system.
Which Months: All Year Statistical Basis: None specified
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 1008 [LAC 33:III.2|07.B]

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0301 A-4547 - Track 4**

- 1009 [LAC 33:III.2107.C] Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 1010 [LAC 33:III.2107.C] VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 1011 [LAC 33:III.2107.D] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 1012 [LAC 33:III.2107.E] Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0302 A-4548 - Track 4

- 1013 [LAC 33:III.2107.B] VOC, Total $\geq 90\%$ DRE, using a vapor disposal system.
- 1014 [LAC 33:III.2107.B] Which Months: All Year Statistical Basis: None specified Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 1015 [LAC 33:III.2107.C] Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 1016 [LAC 33:III.2107.C] VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 1017 [LAC 33:III.2107.D] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 1018 [LAC 33:III.2107.E] Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0303 A-4549 - Track 4

- 1019 [LAC 33:III.2107.B] VOC, Total $\geq 90\%$ DRE, using a vapor disposal system.
- 1020 [LAC 33:III.2107.B] Which Months: All Year Statistical Basis: None specified Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 1021 [LAC 33:III.2107.C] Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 1022 [LAC 33:III.2107.C] VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 1023 [LAC 33:III.2107.D] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 1024 [LAC 33:III.2107.E] Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0304 A-4550 - Track 5**

- 1025 [LAC 33:III.2107.B] VOC, Total >= 90 % DRE, using a vapor disposal system.
Which Months: All Year Statistical Basis: None specified
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 1027 [LAC 33:III.2107.C] Which Months: All Year Statistical Basis: None specified
VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
- 1028 [LAC 33:III.2107.C] Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 1029 [LAC 33:III.2107.D] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 1030 [LAC 33:III.2107.E] Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0305 A-4551 - Track 5

- 1031 [LAC 33:III.2107.B] VOC, Total >= 90 % DRE, using a vapor disposal system.
Which Months: All Year Statistical Basis: None specified
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 1032 [LAC 33:III.2107.B] VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
Which Months: All Year Statistical Basis: None specified
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 1033 [LAC 33:III.2107.C] Which Months: All Year Statistical Basis: None specified
Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 1034 [LAC 33:III.2107.C] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
- 1035 [LAC 33:III.2107.D] Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.
- EQT 0306 A-4552 - Track 5**
- 1037 [LAC 33:III.2107.B] VOC, Total >= 90 % DRE, using a vapor disposal system.
Which Months: All Year Statistical Basis: None specified
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
- 1038 [LAC 33:III.2107.B] Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
- 1039 [LAC 33:III.2107.C]

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0306 A-4552 - Track 5**

- 1040 [LAC 33:III.2107.C]
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0307 A-4553 - Track 5

- 1043 [LAC 33:III.2107.B]
 VOC, Total >= 90 % DRE, using a vapor disposal system.
 Which Months: All Year Statistical Basis: None specified
 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor or lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0308 A-4554 - Track 5

- 1049 [LAC 33:III.2107.B]
 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
 VOC, Total >= 90 % DRE, using a vapor disposal system.
 Which Months: All Year Statistical Basis: None specified
 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.
 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0309 A-4555 - Track 5

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0309 A-4555 - Track 5**

1055 [LAC 33:III.2107.B]

Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.

1056 [LAC 33:III.2107.B]

VOC Total >= 90 % DRE, using a vapor disposal system.

1057 [LAC 33:III.2107.C]

Which Months: All Year Statistical Basis: None specified

1058 [LAC 33:III.2107.C]

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

1059 [LAC 33:III.2107.D]

Which Months: All Year Statistical Basis: None specified

Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.

1060 [LAC 33:III.2107.E]

Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate.

EQT 0310 A-5655 - Berth 1A

1061 [40 CFR 63.562(c)(3)]

VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations when using a combustion device, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y [40 CFR 63.562(c)(3)]

Which Months: All Year Statistical Basis: None specified

Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y [40 CFR 63.562(e)]

Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y [40 CFR 63.563(a)]

Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y [40 CFR 63.563(b)]

Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading.

VOC, Total >= 90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system.

Which Months: All Year Statistical Basis: None specified

Barge loading of gasoline: Total Organic Compounds (TOC) <= 70 mg/l of VOC loaded (0.6 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/1000 gal).

Which Months: All Year Statistical Basis: None specified

Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system.

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0310 A-5655 - Berth 1A**

- 1072 [LAC 33:III.2:08.C.6]
 1073 [LAC 33:III.2:08.F.2]
 1074 [LAC 33:III.2:08.G.1]
 1075 [LAC 33:III.2:08.G.2]
 1076 [LAC 33:III.2:08.G.3]
 1077 [LAC 33:III.5:09.A.j]

Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done. Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2:08.F.2.a-c, as applicable. Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shutoff when disconnected. Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere. Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 0354 1-92 - Tank F-513 Internal Floating Roof

- 1078 [40 CFR 60.112b(a)(1)(ii)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb, [40 CFR 60.112b(a)(1)(ii)]
 1079 [40 CFR 60.112b(a)(1)(ii)(A)] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb, [40 CFR 60.112b(a)(1)(ii)(A)]
 1080 [40 CFR 60.112b(a)(1)(ii)(B)] Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb, [40 CFR 60.112b(a)(1)(ii)(B)]
 1081 [40 CFR 60.112b(a)(1)(ii)(C)] Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb, [40 CFR 60.112b(a)(1)(ii)(C)]
 1082 [40 CFR 60.112b(a)(1)] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb, [40 CFR 60.112b(a)(1)]

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0354 1-92 - Tank F-513 Internal Floating Roof**

1083 [40 CFR 60.113b(a)(1)]

Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]

1084 [40 CFR 60.113b(a)(2)]

Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]

1085 [40 CFR 60.113b(a)(2)]

If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]

1086 [40 CFR 60.113b(a)(3)(ii)]

Tank roof and seals monitored by visual inspection/determination annually as specified in 40 CFR 60.113b(a)(2). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]

1087 [40 CFR 60.113b(a)(4)]

Which Months: All Year Statistical Basis: None specified
Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]

1088 [40 CFR 60.113b(a)(4)]

Which Months: All Year Statistical Basis: None specified
If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]
Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0354 1-92 - Tank F-513 Internal Floating Roof**

- 1090 [40 CFR 60.115b(a)(1)] Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]
- 1091 [40 CFR 60.115b(a)(2)] Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]
- 1092 [40 CFR 60.115b(a)(3)] Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]
- 1093 [40 CFR 60.115b(a)(4)] Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 60.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]
- 1094 [40 CFR 60.116b(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 1095 [40 CFR 63.647] Compliance with all the applicable requirements of NSPS, 40 CFR 60. Subpart Kb has been determined to be compliance with all the applicable requirements in accordance with NESHAP, 40 CFR 63, Subpart CC; NESHAP, 40 CFR 61, Subpart FF; LAC 33.II.5.109, LAC 33.II.2.03.B] [40 CFR 63.647, 40 CFR 61.351(a)(1), LAC 33.II.5.109, LAC 33.II.2.03.B]
- 1096 [40 CFR 63.654(a)] Comply with the recordkeeping and reporting provisions in 61.356 and 61.357 of 40 CFR 61, Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

EQT 0355 2-92 - Tank F-514 Internal Floating Roof

- 1097 [40 CFR 60.112b(a)(1)(i)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently refilled and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]
- 1098 [40 CFR 60.112b(a)(1)(ii)(A)] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]
- 1099 [40 CFR 60.112b(a)(1)(ii)(B)] Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0355 2-92 - Tank F-514 Internal Floating Roof****1100 [40 CFR 60.112b(a)(1)(ii)(C)]**

Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]

1101 [40 CFR 60.112b(a)(1)]
 Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap), except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

1102 [40 CFR 60.113b(a)(1)]

Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]

Which Months: All Year Statistical Basis: None specified

1103 [40 CFR 60.113b(a)(2)]
 Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]

Which Months: All Year Statistical Basis: None specified

1104 [40 CFR 60.113b(a)(2)]
 If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]

1105 [40 CFR 60.113b(a)(3)(ii)]**Which Months: All Year****Statistical Basis: None specified**

Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0355 2-92 - Tank F-514 Internal Floating Roof****1107 [40 CFR 60.113b(a)(4)]**

If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOC. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

1108 [40 CFR 60.113b(a)(5)]
 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

1109 [40 CFR 60.115b(a)(1)]
 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

1110 [40 CFR 60.115b(a)(2)]
 Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

1111 [40 CFR 60.115b(a)(3)]
1112 [40 CFR 60.115b(a)(4)]
 Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defect(s), and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]
 Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 60.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb has been determined to be compliance with all the applicable requirements in accordance with NESHAP, 40 CFR 63, Subpart CC; NESHAP, 40 CFR 61, Subpart FF; LAC 33.III.5109, LAC 33.III.2.I03.B] [40 CFR 63.647, 40 CFR 61.351(a)(1), LAC 33.III.5109, LAC 33.III.2.I03.B]
 Comply with the recordkeeping and reporting provisions in 61.356 and 61.357 of 40 CFR 61, Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****EQT 0356 5061-09 - RON/MON Octane Test Engines**

1116 [40 CFR 60.4230(a)]

The Spark Ignition Internal Combustion Engines shall have been manufactured before January 1, 2008. NSPS, 40 CFR 60, Subpart JJJJ [40 CFR 60.4230(a)], [40 CFR 60.4230(a), 40 CFR 63.6590(b)(3)] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

1117 [LAC 33:III.1.105]

Which Months: All Year Statistical Basis: None specified Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized.

EQT 0357 MVRRC - K-6220-23 MVR Compressors

1119 [40 CFR 60.592a(a)]

Comply with the requirements of 40 CFR 60.482-3a(a) thru (h) as soon as practicable, but no later than 180 days after initial startup. Subpart GGGa. [40 CFR 60.592a(a)]

1120 [40 CFR 60.592a(d)] Comply with the provisions of 40 CFR 60.485a except as provided in 40 CFR 60.593a. Subpart GGGa. [40 CFR 60.592a(e)]

1121 [40 CFR 60.592a(e)] Comply with the provisions of 40 CFR 60.486a and 60.487a. Subpart GGGa. [40 CFR 60.592a(e)]

1122 [40 CFR 63.648(a)] Comply with 40 CFR 63 Subpart H, except as provided in 40 CFR 63.648(c) through (i). Subpart CC. [40 CFR 63.648(a)]

1123 [40 CFR 63.648(c)] Comply with the requirements of 40 CFR 63.161 through 63.169, 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)]

1124 [40 CFR 63.648(h)] Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]

1125 [40 CFR 63.654(d)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]

1126 [LAC 33:III.2.121.B] Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGGa has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.2.121.

UNF 0004 LGSTC II - Logistics II

1127 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

1128 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies.

Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]

1129 [40 CFR 61.148] Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.

Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d).

The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****UNF 0004 LGSTC II - Logistics II**

1131 [40 CFR 61.]

1132 [40 CFR 63.562(e)(2)(iv)]

All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.

Where Applicable: Develop and implement a continuous monitoring system (CMS) quality control program. Develop and submit to DEQ for approval upon request a site-specific performance evaluation test plan for the CMS performance evaluation required in 40 CFR 63.8(e). Include, at minimum, a written protocol that describes procedures for initial and any subsequent calibration of the CMS; determination and adjustment of the calibration drift of the CMS; preventive maintenance of the CMS, including spare parts inventory; data recording, calculations, and reporting, and accuracy audit procedures, including sampling and analysis methods. Maintain records of the procedures that are part of the quality control program developed and implemented for CMS. Subpart Y. [40 CFR 63.562(e)(2)(iv)]

1133 [40 CFR 63.562(e)(2)]

Where Applicable: Develop a written operation and maintenance plan that describes in detail a program of corrective action for varying air pollution control equipment and monitoring equipment, based on monitoring requirements in 40 CFR 63.564 used to comply with emissions standards. Identify all routine or otherwise predictable continuous monitoring system (thermocouples, pressure transducers, continuous emissions monitors (CEMS), etc.) variances. Specify procedures (preventive maintenance) to be followed to ensure that pollution control equipment and monitoring equipment functions properly and variances of the control equipment and monitoring equipment are minimal. Identify all operating parameters to be monitored and recorded for the air pollution control device as indicators of proper operation and establish the frequency at which the parameters will be monitored. Incorporate a standardized inspection schedule for each component of the control device used to comply with the emissions standards in 40 CFR 63.562(b), (c), and (d). Subpart Y. [40 CFR 63.562(e)(2)]

1134 [40 CFR 63.562(e)(4)]

Where Applicable: If the operation and maintenance plan fails to address or inadequately addresses a variance event at the time the plan was initially developed, revise the operation and maintenance plan within 45 working days after such an event occurs. Include procedures for operating and maintaining the air pollution control equipment or monitoring equipment during similar variance events and a program for corrective action for such events. Subpart Y. [40 CFR 63.562(e)(4)]

Where Applicable: Submit excess emissions and continuous monitoring system performance report and/or summary report: Due annually as specified in 40 CFR 63.567(e)(5) and (e)(6). If excess emissions are experienced, submit report(s) semiannually until a request to reduce reporting frequency under 40 CFR 63.567(e)(2) and (e)(1) is approved. Deliver or postmark the report(s) within 30 days following the end of each calendar year, or within 30 days following the end of each six month period, if appropriate. Include all information required in 40 CFR 63.10(c)(5) through (c)(13) as applicable in 40 CFR 63.560 Table 1 and information from any calibration tests in which the monitoring equipment is not in compliance with PS 8 or other methods used for accuracy testing of temperature, pressure, or flow monitoring devices. Also include the name, title, and signature of the responsible official who is certifying the accuracy of the report. When no excess emissions or exceedances have occurred or monitoring equipment has not been inoperable, repaired, or adjusted, state such information in the report. Keep this information for a minimum of 5 years and make readily available to DEQ upon request. Subpart Y. [40 CFR 63.567(e)]

Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63.642(e)]

63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]

Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]

Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]

SPECIFIC REQUIREMENTS**AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****UNF 0004 LGSTC II - Logistics II**

- 1139 [40 CFR 63.654(h)(6)]
1140 [40 CFR 63.654(i)(2)]
1141 [40 CFR 63.654(i)(4)]
1142 [40 CFR 63.]
1143 [40 CFR 70.5(a)(1)(iii)]
1144 [40 CFR 70.6(a)(3)(iii)(A)]
1145 [40 CFR 70.6(a)(3)(iii)(B)]
1146 [40 CFR 70.6(c)(5)(iv)]
1147 [40 CFR 82; Subpart F]
1148 [LAC 33:III.1.103]
1149 [LAC 33:III.1.109.B]
1150 [LAC 33:III.1.103.B]
1151 [LAC 33:III.1.1305]
1152 [LAC 33:III.2.113.A]
1153 [LAC 33:III.219]
1154 [LAC 33:III.2901.D]
- Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)] Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)] Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years (as applicable). Subpart CC. [40 CFR 63.654(i)(4)] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
Submit Title V permit application for renewal: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.1.11 or intensify an existing traffic hazard condition are prohibited.
Outdoor burning of waste material or other combustible material is prohibited.
Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.1305.A.1-7.
Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2.113.A.1-5.
Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****UNF 0004 LGSTC II - Logistics II**

- 1155 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 1156 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III Chapter 51.Subchapter A, after the effective date of the standard.
- 1157 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.
- 1158 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 1159 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- 1160 [LAC 33:III.5107.A.2] Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 1161 [LAC 33:III.5107.A.3] Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations."
- 1162 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 1163 [LAC 33:III.5107.B.2] Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.393], or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.
- 1164 [LAC 33:III.5107.B.3] Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.393], except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923.
- 1165 [LAC 33:III.5107.B.4] Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii.

SPECIFIC REQUIREMENTS**AID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****UNF 0004 LGSTC II - Logistics II**

1166 [LAC 33:III.5.07.B.5]

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1167 [LAC 33:III.5.09.B.3]

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1168 [LAC 33:III.5.09.B]

4

1169 [LAC 33:III.5.09.C]

4

1170 [LAC 33:III.5.11.A.1]

1171 [LAC 33:III.5.11.A.2.a]

4

1172 [LAC 33:III.5.11.A]

4

1173 [LAC 33:III.5.13.B.1]

4

1174 [LAC 33:III.5.13.B.3]

4

1175 [LAC 33:III.5.13.B.4]

4

1176 [LAC 33:III.5.13.B.5]

4

1177 [LAC 33:III.5.13.B.6]

4

1178 [LAC 33:III.5.13.B.7]

4

1179 [LAC 33:III.5.13.C.1]

4

1180 [LAC 33:III.5.13.C.2]

4

1181 [LAC 33:III.5.13.C.2]

Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology.

Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5.12. Table 51.2.

Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.1 Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5.113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department.

Obtain a Louisiana Air Permit in accordance with LAC 33:III.5.11.B and C and in accordance with LAC 33:III.1.701, before commencement of the construction of any new source.

Obtain a permit modification in accordance with LAC 33:III.5.11.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5.109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source.

Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified.

Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel.

Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department.

Provide emission testing facilities as specified in LAC 33:III.5.113.B.4.a through e.

Analyze samples and determine emissions within 30 days after each emission test has been completed.

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test.

Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.

Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.

Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.

Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin.

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20090010****Permit Number: 2912-V2****Air - Title V Regular Permit Minor Mod****UNF 0004 LGSTC II - Logistics II**

- 1182 [LAC 33:III.5113.C.2] Submit performance evaluation report. Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation.
- 1183 [LAC 33:III.5113.C.3] Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems.
- 1184 [LAC 33:III.5113.C.5.a] Submit report. Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days.
- 1185 [LAC 33:III.5113.C.5.a] Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B.
- 1186 [LAC 33:III.5113.C.5.d] Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS.
- 1187 [LAC 33:III.5113.C.5.e] Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS.
- 1188 [LAC 33:III.5113.C.5] Submit plan. Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system.
- 1189 [LAC 33:III.5113.C.7] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- 1190 [LAC 33:III.51151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 1191 [LAC 33:III.535] Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537.
- 1192 [LAC 33:III.5609.A.1.b] [LAC 33:III.535, LAC 33:III.537] Activate the preplanned abatement strategy listed in LAC 33:III.5609.A.1.b when the administrative authority declares an Air Pollution Alert.
- 1193 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 1194 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 1195 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 1196 [LAC 33:III.5611.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
- 1197 [LAC 33:III.5611.B] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.
- During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.

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- 1198 [LAC 33:III.5901.A]
- 1199 [LAC 33:III.5907]
- 1200 [LAC 33:III.5911.A]
- 1201 [LAC 33:III.5911.C]
- 1202 [LAC 33:III.905]
- 1203 [LAC 33:III.913]
- 1204 [LAC 33:III.917.A]
- 1205 [LAC 33:III.917.B]
- 1206 [LAC 33:III.919.D]
- 1207 [LAC 33:III.927]
- 1208 [LAC 33:III.929.A]
- Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division.
- Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate.
- Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.
- Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits.
- Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations.
- No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.
- Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
- No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.